



# THEMING



@MORTENDK

#DRUPALTWIG



# @MORTENDK



TAG1

CLASSY

CONSULTING



MAINTAINER

THE ANGRY  
THEMER



GEEK

RÖYALE

@MORTENDK

@MORTENDK

#DRUPALTWIG

@MORTENDK

<DIV> KILLER

#DRUPALTWIG

# STOCKHOLM SYNDROME



```

<div id="main">
  <div class="content">
    <div class="panel-flexible panel-flexible-1 clear-block">
      <div class="panel-flexible-inside panel-flexible-1-inside">
        <div class="panel-flexible-1-middle">
          <div class="panels-flexible-column panels-flexible-column-1-main panels-flexible-column-first panels-flexible-column-last">
            <div class="inside panels-flexible-column-inside panels-flexible-column-1-main-inside panels-flexible-column-inside-first panels-flexible-column-inside-last">
              <div class="panels-flexible-column-1-main-middle">
                <div class="panels-flexible-row panels-flexible-row-1-8 panels-flexible-row-first clear-block">
                  <div class="inside panels-flexible-row-inside panels-flexible-row-1-8-inside panels-flexible-row-inside-first clear-block">
                    <div class="panels-flexible-row-1-8-middle">
                      <div class="panels-flexible-column panels-flexible-column-1-9 panels-flexible-column-first">
                        <div class="inside panels-flexible-column-inside panels-flexible-column-1-9-inside panels-flexible-column-inside-first">
                          <div class="panels-flexible-column-1-9-middle">
                            <div class="panels-flexible-row panels-flexible-row-1-12 panels-flexible-row-first panels-flexible-row-last clear-block">
                              <div class="inside panels-flexible-row-inside panels-flexible-row-1-12-inside panels-flexible-row-inside-first panels-flexible-row-inside-last clear-block">
                                <div class="panels-flexible-row-1-12-middle">
                                  <div class="panels-flexible-region panels-flexible-region-1-spotlight_ panels-flexible-region-first panels-flexible-region-last">
                                    <div class="inside panels-flexible-region-inside panels-flexible-region-1-spotlight_-inside panels-flexible-region-inside-first panels-flexible-region-inside-last">
                                      <div class="panel-pane">
                                        <div class="pane-content">
                                          <div id="ddblock-3" class="ddblock-cycle-gradient-green30p clear-block">
                                            <div class="container clear-block border">
                                              <div class="image-box-white-grey-white-10">
                                                <div class="image-box-corner-wrapper">
                                                  <div class="image-box-top-side">
                                                  <div class="image-box-left-side">
                                                  <div class="image-box-right-side">
                                                    <div class="container-inner clear-block border">
                                                      <div class="slider clear-block border">
                                                      <div class="spacer-horizontal">
                                                      <div id="ddblock-custom-pager-3" class="custom-pager custom-pager-bottom clear-block border">
                                                        <div class="custom-pager-inner clear-block border">
                                                          <div class="custom-pager-item custom-pager-item-0">
                                                            <div class="corners">
                                                              <div class="custom-pager-item-inner">
                                                                <div class="tl"/>
                                                                <div class="tr"/>
                                                                <div class="bl"/>
                                                                <div class="br"/>
                                                              </div>
                                                            </div>
                                                          </div>
                                                        <div class="spacer-horizontal">
                                                          </div>
                                                        </div>
                                                      </div>
                                                    </div>
                                                  </div>
                                                </div>
                                              </div>
                                            </div>
                                          </div>
                                        </div>
                                      </div>
                                    </div>
                                  </div>
                                </div>
                              </div>
                            </div>
                          </div>
                        </div>
                      </div>
                    </div>
                  </div>
                </div>
              </div>
            </div>
          </div>
        </div>
      </div>
    </div>
  </div>

```

# DRUPAL7 MARKUP





5000

LINES OF PHPTEMPLATE.PHP

TOTALLY OK

THE CLASS SOUP IS ANOTHER

FEATURE

```
<div
```

```
class="foo bar baz foo-more-more bar-  
more-yet another one">
```

AAAARGH!

NO MORE



NEW

HELLO TWIG



GOOD-BYE  
PHPTEMPLATE

THEME ENGINE



@MORTENDK

#DRUPALTWIG

**THEME  
FUNCTIONS  
DEAD!**



```
Issue #1938900 by joelgriff, for  
ntel, neochief, tstoeckler, andypost, duellj: Com  
a template (DIE THEME FUNCTIONS DIE)
```

BAD CAMP NOVEMBER 2015



NODE.HTML.TWIG



PAGE.HTML.TWIG



BLOCK.HTML.TWIG



MARK.HTML.TWIG



VIEW.HTML.TWIG

# TWIG

EVERYTHING IS



TABLE.HTML.TWIG

# TEMPLATES



FIELD.HTML.TWIG



IMAGE-WIDGET.HTML.TWIG

@MORTENDK

#DRUPALTWIG

THE **THEME** is  
**IN CONTROL**

OF MARKUP & CSS





UNLEARN

PHPTEMPLATE

<? PHP DIE('PHPTEMPLATE') ?>

TE

READY?

@MORTENDK

#DRUPALTWIG



**TWIG**

DRUPAL 8

@MORTENDK

#DRUPALTWIG

# TWIG

IS A “MODERN” TEMPLATE LANGUAGE

-> SYMPHONY

USED BY OTHER SYSTEMS

+ IT'S EASY TO LEARN :)

{ # %

{{ **var** }}

{# **comment** #}

{% **functionality** %}



# VAR DRILLING

7 \$yo['drupal\_where ']->is['und']][0]->my\_data



{{ data.is.here }}

{{ also.this['#here'] }}



# FUNCTION

PIPE

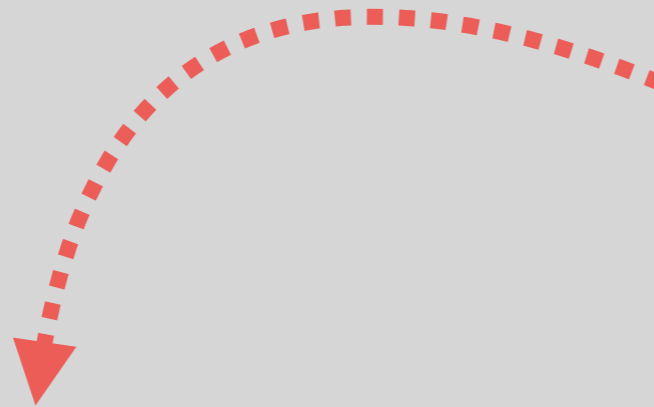
```
{{ var|makemepretty('now') }}
```

FUNCTION



# FUNCTION

(mortendk)



```
{{ username|uppercase }}
```

MORTENDK





# TRANSLATE

```
{{ 'Copenhagen'|t }}
```

```
{% trans %}
```

```
by {{ user }} date {{ date }}
```

```
{% endtrans %}
```



# CONTROL

```
{% if person = "mortendk" %}  
  <h1>Loves Drupal 8</h1>  
{% else %}  
  not awesome viking  
{% endif %}
```



# CREATE VAR

```
{% set foo = "bar" %}
```

```
{{ foo }}
```

bar



# DONT PANiC

PHP LOViNG DEVELOPERS ;)



{{ TWiG }}

PHP

SITE

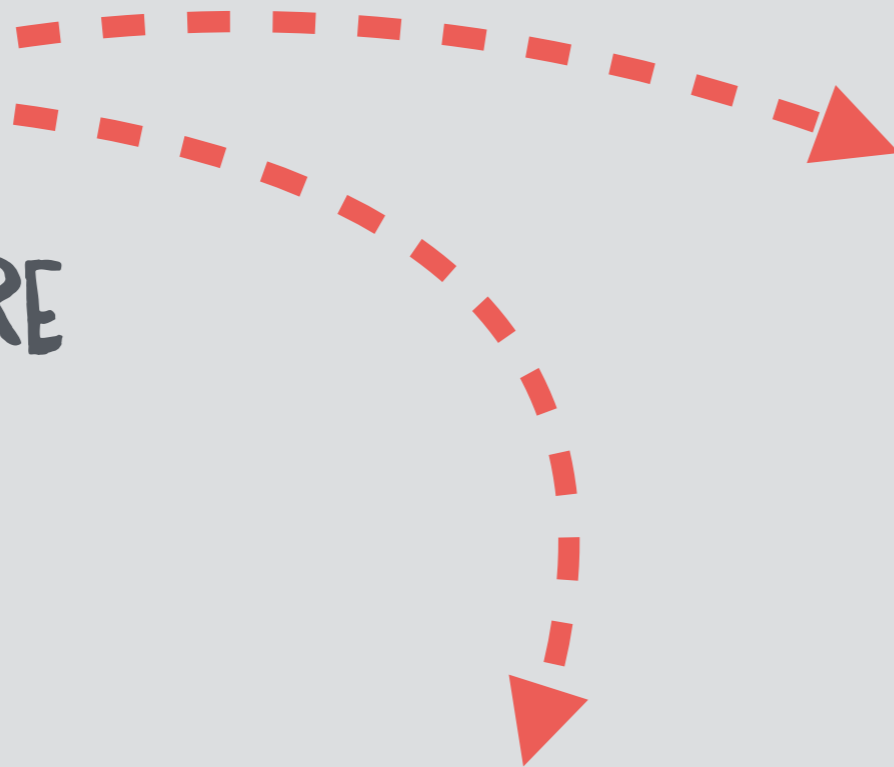



# BASE THEME

WHAT WE BUILD ON



DRUPAL CORE



`<HTML>`   
`.CSS`  
`CLASS="FOO"`



CLASSY



`<HTML>`   
`.CSS`  
`CLASS="FOO"`

# THEMES IN D8



CORE



STABLE



CLASSY

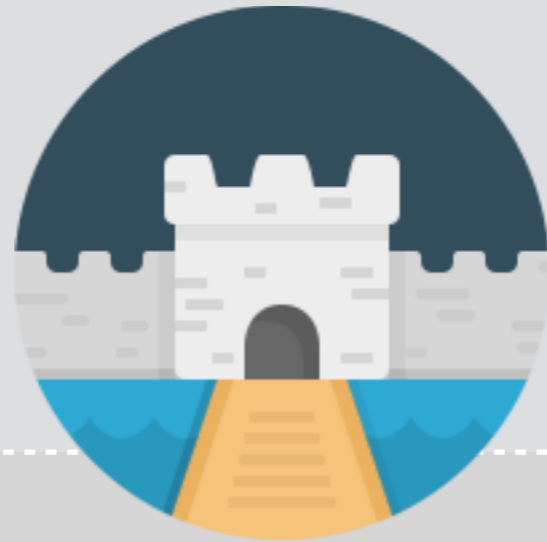


SEVEN



BARTIK

# STABLE



```
<div>  
  {{ content }}  
</div>
```





# CLASSY



```
<div class="node node—article">  
  {{ content }}  
</div>
```

# SEVEN & BARTIK



SEVEN



@INTERAL



BARTIK

**DONT!** BASE THEME SEVEN & BARTIK

# STABLE



STABLE



“MY THEME”



CLASSY

BASE THEME: **STABLE**

```
<div>
  {{ foo }}
</div>
```



# CLASSY



STABLE



“MY THEME”



CLASSY

BASE THEME: **CLASSY**

```
<div class=“node node—article”>
```

```
  {{ foo }}
```

```
</div>
```



# NO BASE THEME ?



CORE



"MY THEME"

BASE THEME: **FALSE**

```
<aside>
```

```
  {{ whatever.we.changed }}
```

```
</aside>
```



# THEMES IN D8



CORE



STABLE



CLASSY

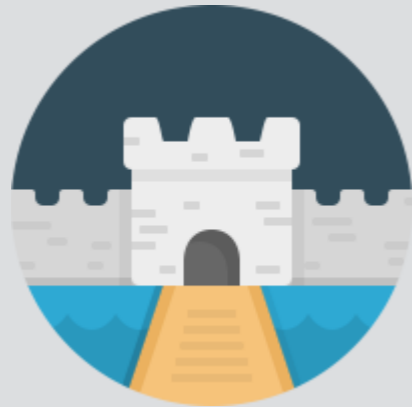


SEVEN



BARTIK

# THEMES IN D8



STABLE

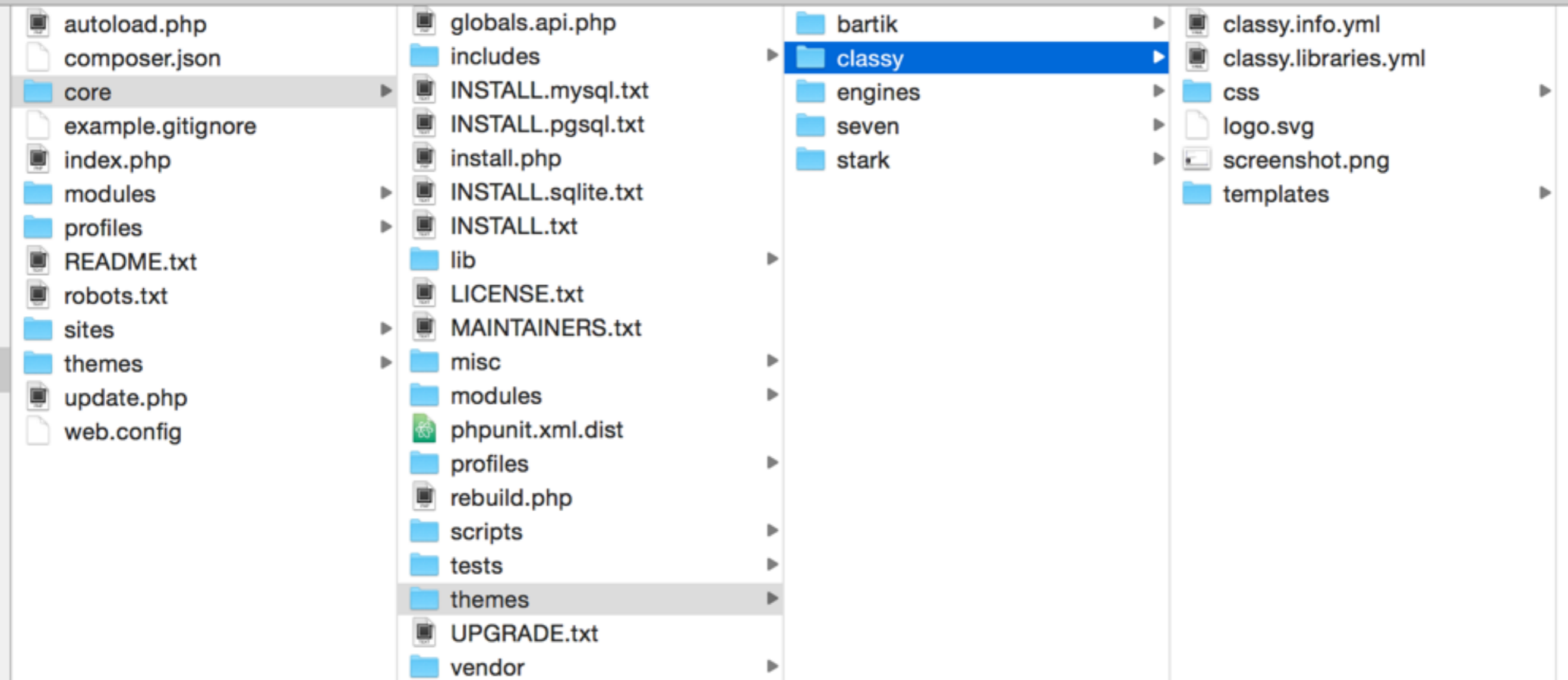


CLASSY



MY THEME

# DRUPAL8 TEMPLATES



CORE/THEMES/CLASSY/



# DEFINE BASETHEME

[THEMENAME].INFO.YML

base theme: **classy**



# DEFINE BASETHEME

[THEMENAME].INFO.YML

base theme: **stable**



FUCK IT

[THEMENAME].INFO.YML

base theme: false



# YOU DECIDE!



STABLE



CLASSY

STABLE

(INSERT A HORSE JOKE)

CLASSE'S

YOU CAN

TRUST

## Theme maintainers

-----

### Bartik theme

- Emma Maria Karayiannis 'emma.maria' <https://www.drupal.org/u/emma.m>

### Classy theme

- David Hernandez 'davidhernandez' <https://www.drupal.org/u/davidhern>
- Morten Birch Heide-Jørgensen 'mortendk' <https://www.drupal.org/u/mo>

### Stark theme

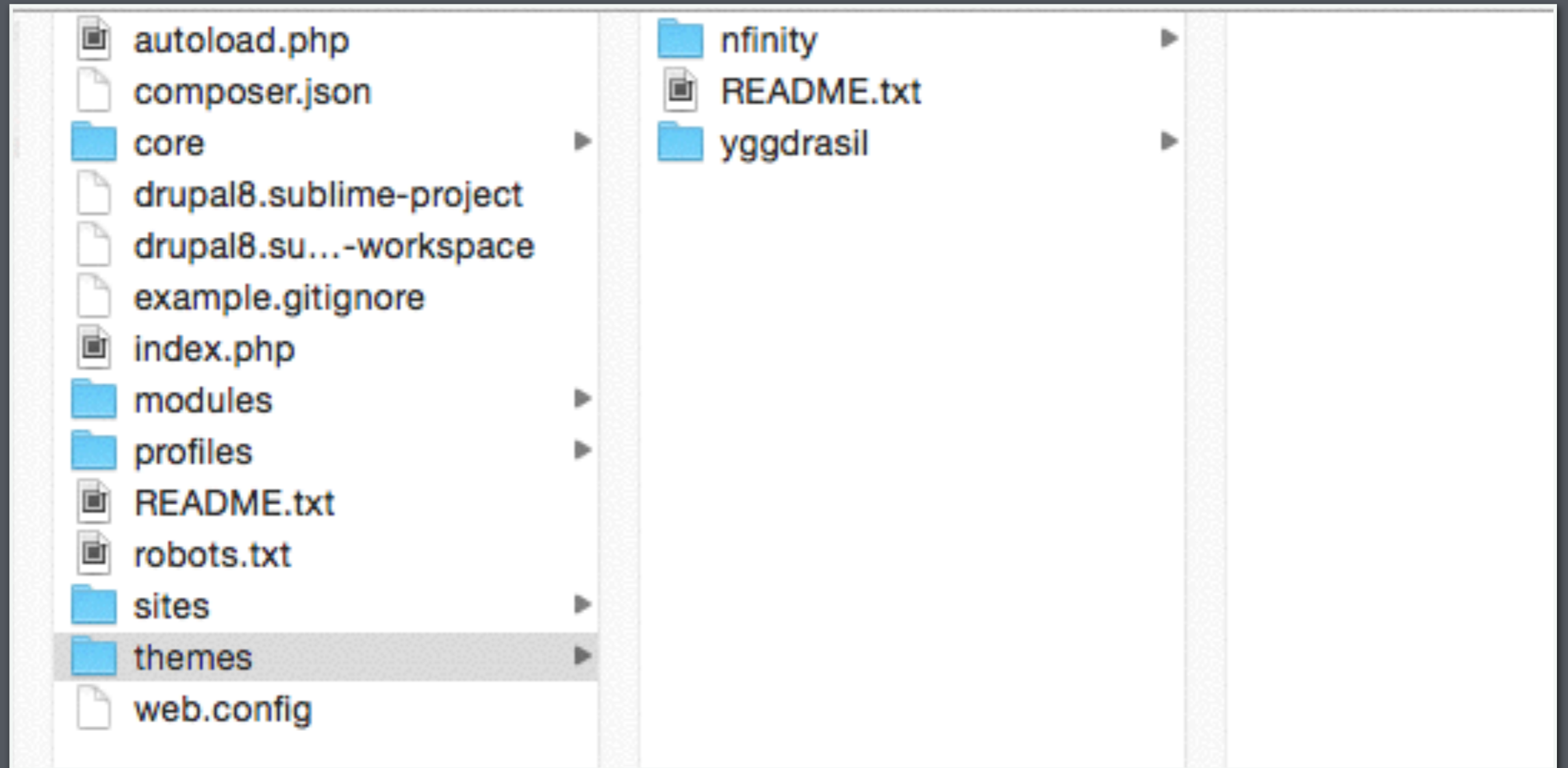
- John Albin Wilkins 'JohnAlbin' <https://www.drupal.org/u/johnalbin>



# SETUP





SETTING UP A THEME

# I LIVE WHERE NOW ?



`[ROOT]/THEMES/[THEMENAME]`

# THEME CONFIG FILES

-  \*.INFO.YML
-  \*.LIBRARIES.YML
-  \*.BREAKPOINTS.YML
-  \*.THEME





\*.i.INFO.YML

THEME CONFIGURATION, CSS & JS

BASIC  
INFO



LIBRARIES



REMOVE CSS



REGIONS



yggdrasil.info.yml ×

```
name: yggdrasil
type: theme
description: 'Power of Thor, Wisdom of Odin, Love of F
base theme: classy
package: awesomethemes
core: 8.x
screenshot: sad-doctor.gif

# -- Libraries -----
libraries:
  - yggdrasil/global

# -- CSS -----
stylesheets-remove:
  - normalize.css

ckeditor_stylesheets:
# - ckeditor.css

# -- Regions -----
regions:
  header: Header
  content: Content
  footer: Footer
```

```
13
14 # -- CSS -----
15 stylesheets-remove:
16   - @classy/css/layout.css
17   - core/modules/system/css/system.theme.css
18   - core/assets/vendor/normalize-css/normalize.css
19   - core/modules/views/css/views.module.css
20
21 # -- Regions -----
22 regions:
23   header: Header
24   menu: Menu
25   content: Content
26   footer: Footer
```



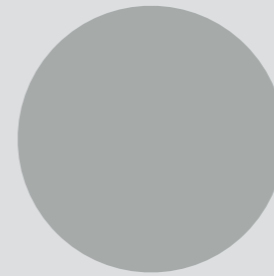
# \*.LIBRARIES.YML

ADDING JS & CSS TO THE THEME



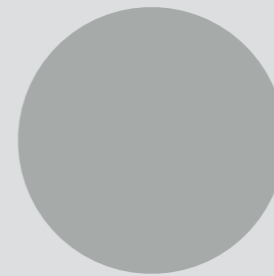


FOO.**INFO**.YAML



**SLIDER**  
SLIDER.CSS  
SLIDER.JS

FOO.**LIBRARIES**.YAML



**AWESOME**  
FOO.CSS  
BAR.JS

## .INFO.YML

```
# -- Libraries -----  
libraries:  
  - yggdrasil/global
```

## .LIBRARIES.YML

```
yggdrasil.libraries.yml ×  
# Global for all pages  
global:  
  version: 1.x  
  css:  
    theme:  
      css/style.css: {}  
      css/print.css: { media: print }  
  js:  
    js/script.js: {}  
  dependencies:  
    - core/jquery
```



# \*.LIBRARIES.YML

NAME

CSS FILES

JS FILES

DEPENDENCIES

yggdrasil.libraries.yml ×

```
# Global for all pages
```

```
global:
```

```
  version: 1.x
```

```
  css:
```

```
    theme:
```

```
      css/style.css: {}
```

```
      css/print.css: { media: print }
```

```
  js:
```

```
    js/script.js: {}
```

```
  dependencies:
```

```
    - core/jquery
```



REPLACE



```
libraries-override:  
  # Replace an entire library.  
  core/drupal.collapse: mytheme/collapse  
  
  # Replace an asset with another.  
  subtheme/library:  
    css:  
      theme:  
        css/layout.css: css/my-layout.css
```

REMOVE



```
  # Remove an asset.  
  drupal/dialog:  
    css:  
      theme:  
        dialog.theme.css: false  
  
  # Remove an entire library.  
  core/modernizr: false
```





# CSS ORGANIZING



global:

version: VERSION

CSS:

component:

```
css/user/user.theme.css: {}
```

theme:

```
css/layout.css: {}
```

BASE

LAYOUT

COMPONENT

STATE

THEME



[\*].BREAKPOINTS.YML

RESPONSIVE IMAGES



# \*.BREAKPOINTS.YML

```
yggdrasil.breakpoints.yml x  untitled  o
1  yggdrasil.small:
2    label: small n fast
3    mediaQuery: ''
4    weight: 0
5    multipliers:
6      - 1x
7  yggdrasil.medium:
8    label: medium
9    mediaQuery: 'all and (min-width: 560px) and (max-width: 850px)'
10   weight: 1
11   multipliers:
12     - 1x
13  yggdrasil.large:
14    label: larger than life
15    mediaQuery: 'all and (min-width: 851px)'
16    weight: 2
17    multipliers:
18      - 1x
```



# \*.BREAKPOINTS.YML

yggdrasil.breakpoints.yml

untitled

```
1 yggdrasil.small:
2   label: small n fast
3   mediaQuery: ''
4   weight: 0
5   multipliers:
6     - 1x
7 yggdrasil.medium:
8   label: medium
9   mediaQuery: 'all and (min-width:
10  weight: 1
11  multipliers:
12    - 1x
13 yggdrasil.large:
14   label: larger than life
15   mediaQuery: 'all and (min-width:
16   weight: 2
17   multipliers:
18     - 1x
```

thors hammer

Example: 'Hero image' or 'Author image'.

**Breakpoint group \***

yggdrasil ▼

Select a breakpoint group from the installed themes. W

**Fallback image style \***

Large (480×480) ▼

**1x small n fast []**

- None - ▼

Select an image style for this breakpoint.

**1x medium [all and (min-width: 560px) and (max-**

- None - ▼

Select an image style for this breakpoint.

**1x larger than life [all and (min-width: 851px)]**

- None - ▼

Select an image style for this breakpoint.

Save

Delete



[\*].THEME

WAS

PHPTEMPLATE.PHP



# .THEME

# .THEME

```
yggdrasil.theme x
<?php
/* Adding a library to the maintenance page. */
function yggdrasil_preprocess_maintenance_page(&$variables) {
    $variables['#attached']['library'][] = 'yggdrasil/maintenance_page';
}
```

# .LIBRARIES.YML

```
# Maintenance page
maintenance_page:
  version: 1.x
  css:
    theme:
      css/maintenance-page.css: {}
```





# TOOLS

HOW TO FIND STUFF & DEBUG

# SETTINGS.PHP

COPY: SITES/EXAMPLE.SETTINGS.LOCAL.PHP

TO: SITES/DEFAULT/SETTINGS.LOCAL.PHP

## UNCOMMENT IN SETTINGS.PHP

```
if (file_exists(__DIR__ . '/settings.local.php')) {  
    include __DIR__ . '/settings.local.php';  
}
```





# DEVEL

DOWNLOAD DEVEL MODULE

INSTALL DEVEL + KINT

INSTALL DRUSH

DRUSH EN KINT

[DOCS.DRUSH.ORG/EN/MASTER/INSTALL/](https://docs.drush.org/en/master/install/)

# DISABLE CSS CACHE

## Performance

[Home](#) » [Administration](#) » [Configuration](#) » [Development](#)

### ▼ CLEAR CACHE

Clear all caches

### ▼ CACHING

Note: Drupal provides an internal page cache module that is recommended for small to medium-sized websites.

Page cache maximum age

<no caching> ▼

The maximum time a page can be cached by browsers and proxies. This is used as the value for max-age in Cache-Control headers.

### ▼ BANDWIDTH OPTIMIZATION

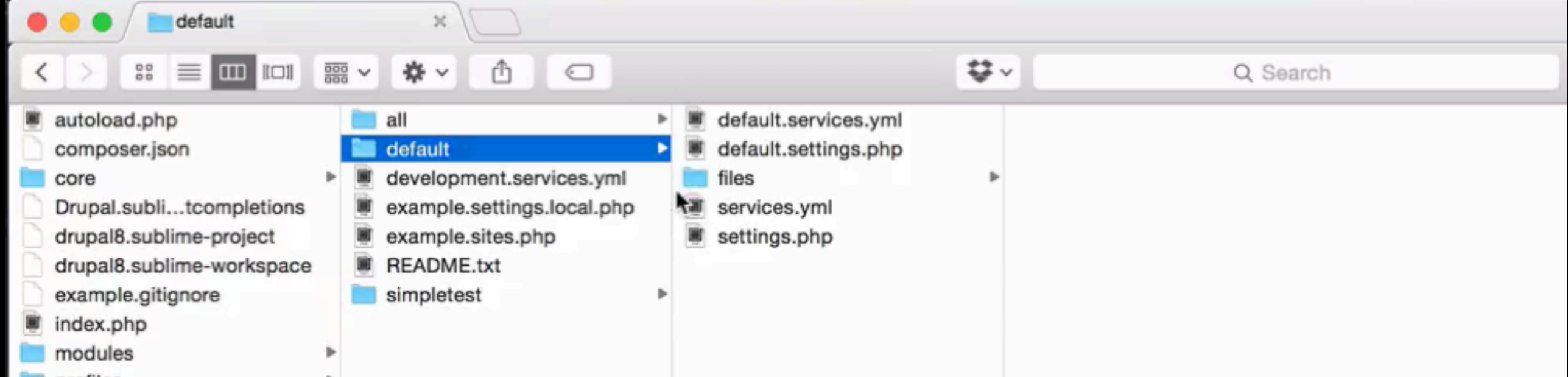
External resources can be optimized automatically, which can reduce both the size and number of requests made to your website.

Aggregate CSS files

Aggregate JavaScript files

Save configuration

```
untitled 49 # about template variables.
services.yml 50 # - Twig templates are automatically recompiled whenever the source code
51 # changes (see auto reload below).
```



THEME DEBUG FTW!

5 items, 12,95 GB available

```
77 # @default true
78 cache: true
79 factory.keyvalue:
80 {}
81 # Default key/value storage service to use.
82 # @default keyvalue.database
```

SERVICES.YML

```
</div class="views-row">
<!-- THEME DEBUG -->
<!-- THEME HOOK: 'node' -->
<!-- FILE NAME SUGGESTIONS:
  * node--view--frontpage--page-1.html.twig
  * node--view--frontpage.html.twig
  * node--4--teaser.html.twig
  * node--4.html.twig
  * node--article--teaser.html.twig
  * node--article.html.twig
  * node--teaser.html.twig
  x node.html.twig
-->
<!-- BEGIN OUTPUT from 'core/themes/classy/templates/content/nod
▼ <article data-history-node-id="4" data-quickedit-entity-id="node
  ▶ <h2> </h2>
```

# FILE NAME SUGGESTIONS

```
</div class="views-row">
<!-- THEME DEBUG -->
<!-- THEME HOOK: 'node' -->
<!-- FILE NAME SUGGESTIONS:
  * node--view--frontpage--page-1.html.twig
  * node--view--frontpage.html.twig
  * node--4--teaser.html.twig
  * node--4.html.twig
  * node--article--teaser.html.twig
  * node--article.html.twig
  * node--teaser.html.twig
  x node.html.twig
-->
<!-- BEGIN OUTPUT from 'core/themes/classy/templates/content/nod
▼ <article data-history-node-id="4" data-quickedit-entity-id="node
  ▶ <h2> </h2>
```

# PATH TO ACTIVE TEMPLATE

```
Atom File Edit Selection Find View Packages Window Help 11 12:00 77%
node--field.html.twig - /Users/mortendk/Sites/drupal8 - Atom
drupal8 barcelona.css node--field.html.twig node.html.twig field--node--field.h menu.html.twig color.css barcelona.libra
classy
themes
  barcelona
    css
    fonts
    images
    js
    lib
    templates
      cleanup
      .DS_Store
      field--node--field.h
      node--field.html.twig
      page.html.twig
      .DS_Store
      barcelona.breakpoints
      barcelona.info.yml
      barcelona.libraries.yml
      dance.gif
      .DS_Store
      README.txt
11
12 <article{{ attributes.addClass(classes) }}>
13
14 {{ title_prefix }}
15 {% if not page %}
16 <h2{{ title_attributes }}>
17 <a href="{{ url }}" rel="bookmark">{{ label }}</a>
18 </h2>
19 {% endif %}
20 {{ title_suffix }}
21
22
23
24 {{ content|without('links') }}
25
26
27 {% if content.links %}
28 <div class="node__links">
29 {{ content.links }}
30 </div>
31 {% endif %}
32
```

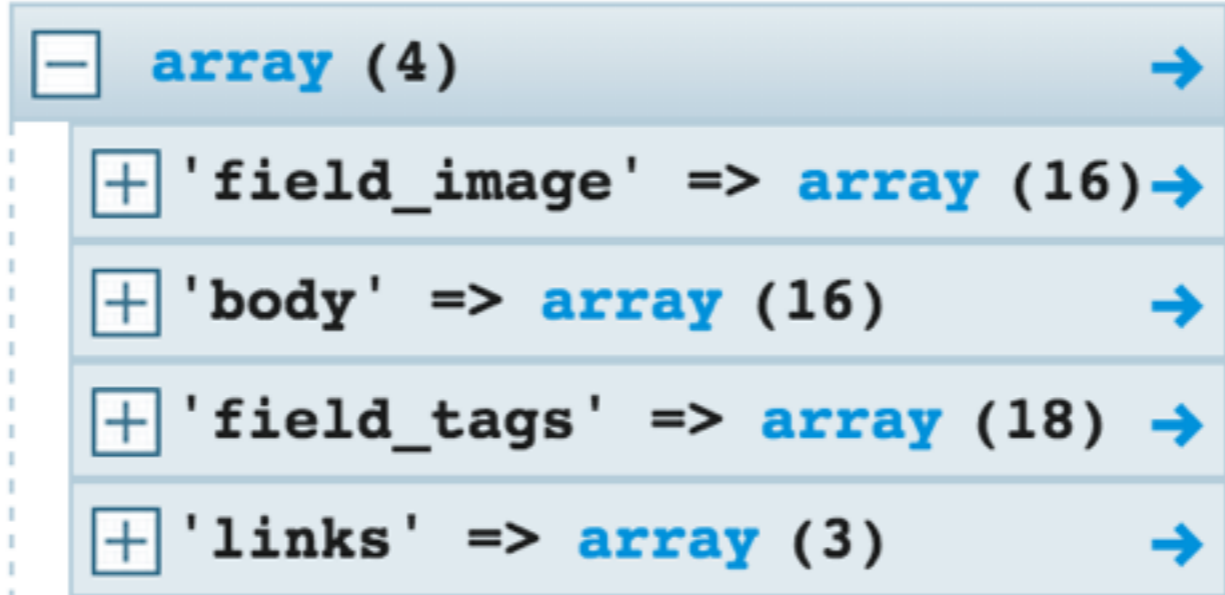
## KINT( VAR ) ##

# KINT

KRUMO FOR DRUPAL 8

```
{{ kint( foo ) }}
```

screenshot af kint fra video



```
array (4)
  'field_image' => array (16)
  'body' => array (16)
  'field_tags' => array (18)
  'links' => array (3)
```

```
{{ content.field_image }}
```

# KINT(...)

```
{{ sandwich.cheese }}
```

```
// Array key.  
$sandwich['cheese'];  
// Object property.  
$sandwich->cheese;  
// Also works for magic get (provided you implement magic isset).  
$sandwich->__isset('cheese'); && $sandwich->__get('cheese');  
// Object method.  
$sandwich->cheese();  
// Object get method convention.  
$sandwich->getCheese();  
// Object is method convention.  
$sandwich->isCheese();  
// Method doesn't exist/dynamic method.  
$sandwich->__call('cheese');
```



# TWIG DEBUG:

SITES/ALL/DEFAULT/SERVICES.YML

```
DRUSH CR
```

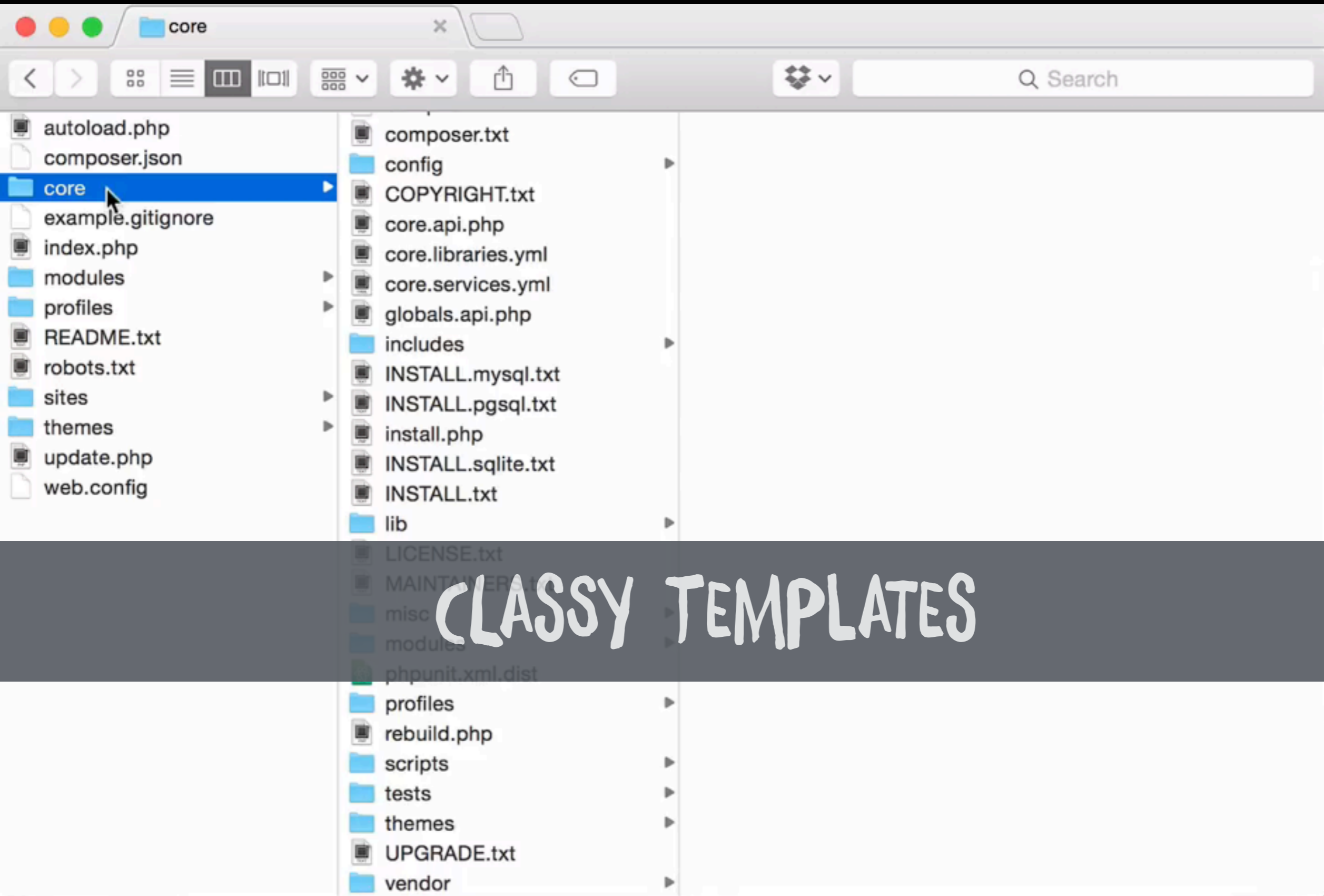
```
{{ KINT(FOO) }}
```

# TEMPLATE STRUCTURE

EVERYTHING IS A TEMPLATE FILE

# 135+ TEMPLATES

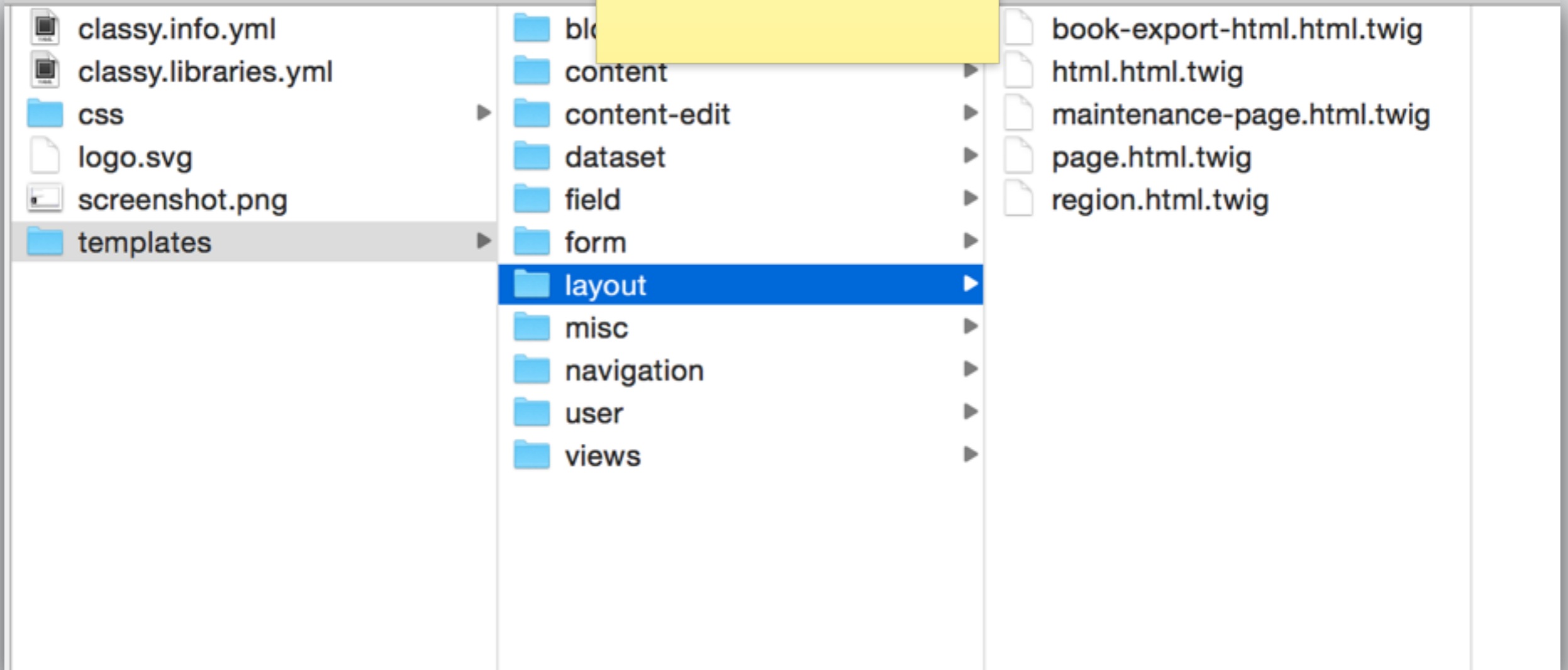
WE **NUKED** THE THEME FUNCTIONS  
TURNED 'EM ALL  
INTO A **METRIC**  
OF TEMPLATES **FUCKTON**



# CLASSY TEMPLATES

# GROUPED TEMPLATES

do we really need this here ?



## CLASSY THEME

# TEMPLATE GROUPS



LAYOUT



BLOCK



VIEWS



CONTENT



CONTENT-EDIT



FIELD



NAVIGATION



DATASET



FORM



USER



MISC

# HTML

CSS + JS

HEADER



HTML.HTML.TWIG

# PAGE



PAGE.HTML.TWIG



# REGION'S



REGION.HTML.TWIG



REGION.HTML.TWIG



PAGE.HTML.TWIG



REGION.HTML.TWIG

# CONTENT



BLOCK.HTML.TWIG



NODE.HTML.TWIG



VIEW.HTML.TWIG



REGION.HTML.TWIG

# NODE



NODE.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD--IMAGE.HTML.TWIG

# ALL THE FIELDS



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG

WE'RE GONNA TALK ABOUT FIELDS LATER



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



FIELD.HTML.TWIG



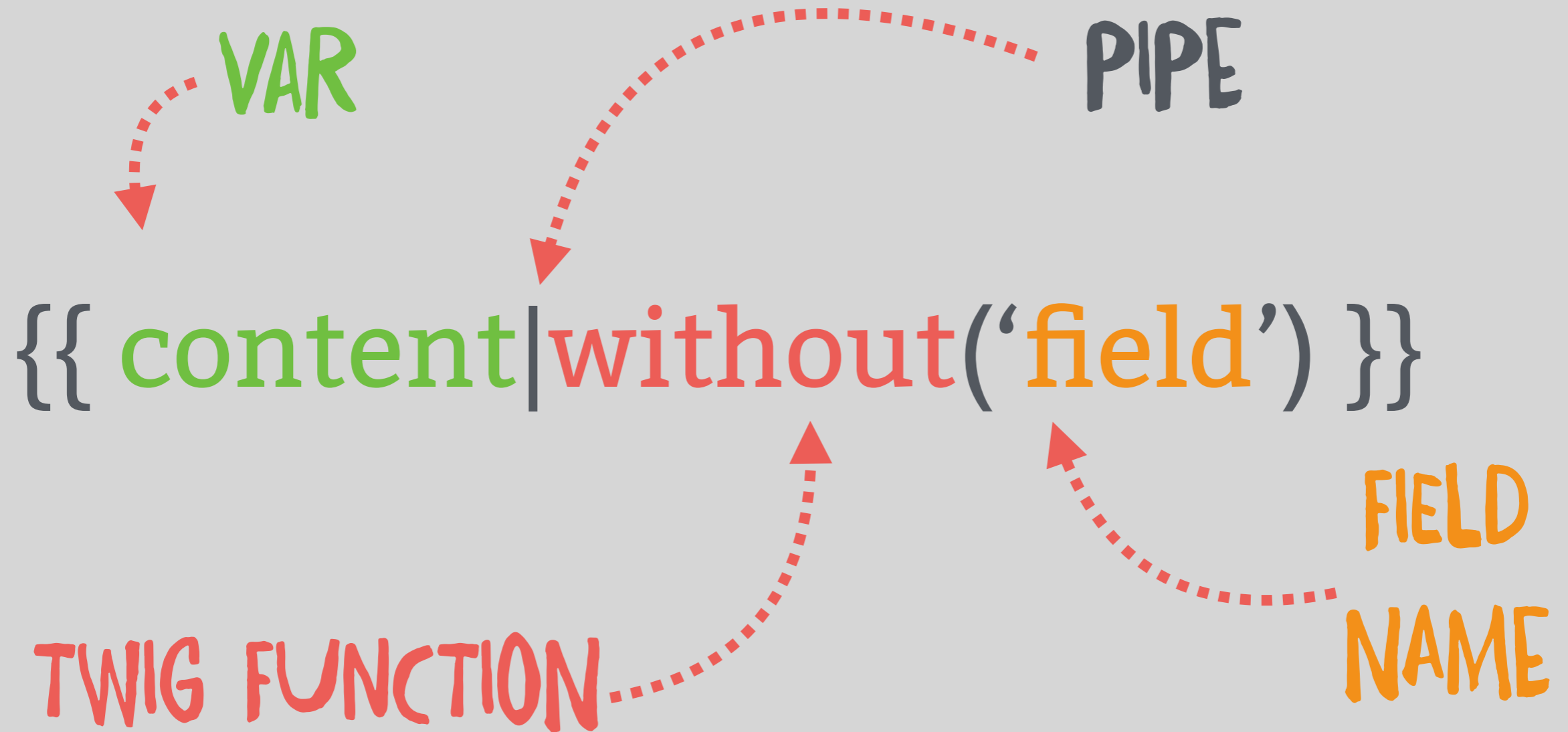
FIELD.HTML.TWIG



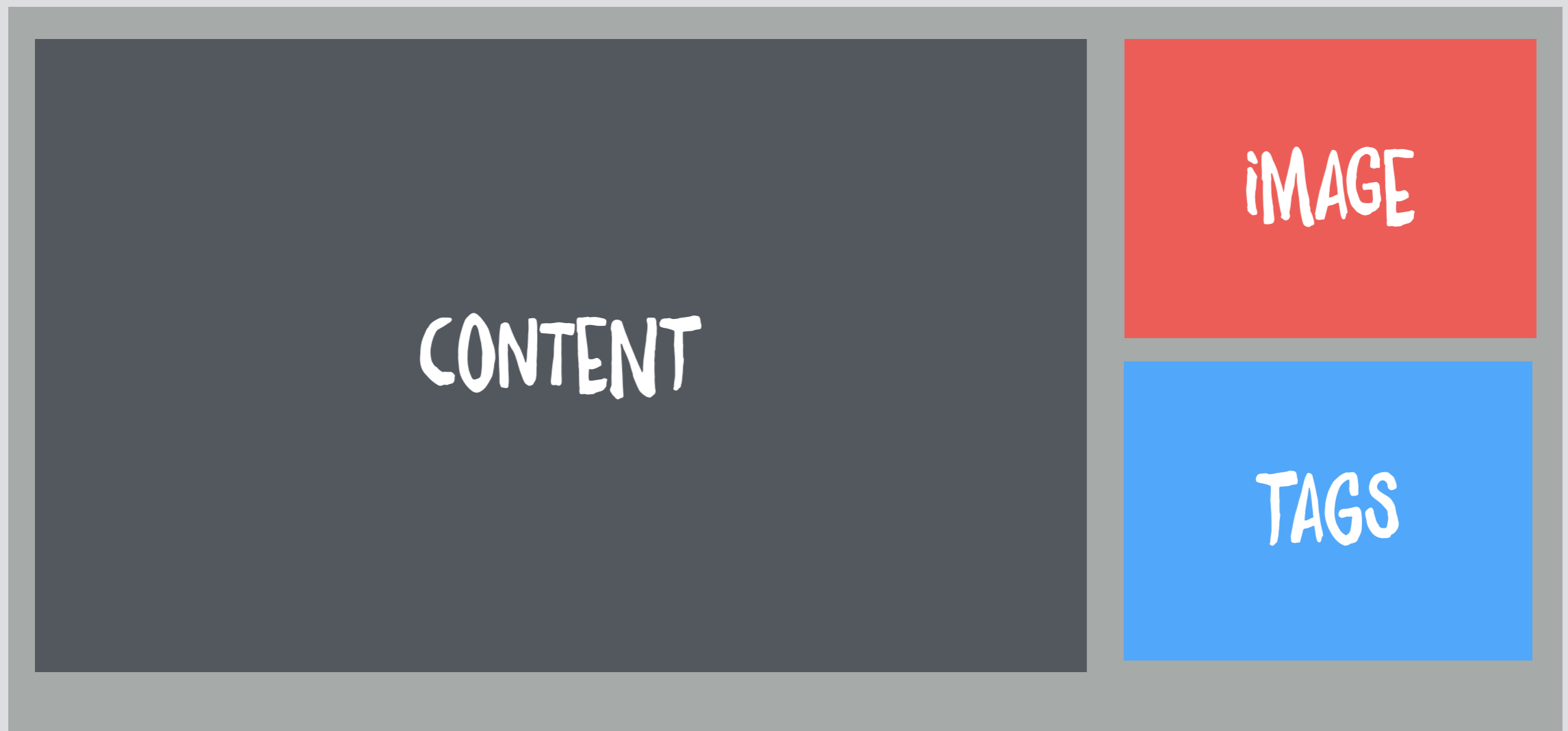
# LAYOUT

THE MAGIC OF WITHOUT

# WITHOUT( FOO )



# WITHOUT



{{ content }}

CONTENT

TEXT

TAGS

IMAGE



```
{{ content|without('image') }}
```

```
{{ CONTENT | WITHOUT(*) }}
```

```
{{ TEXT }}
```

```
{{ TAGS }}
```

```
{{ IMAGE }}
```

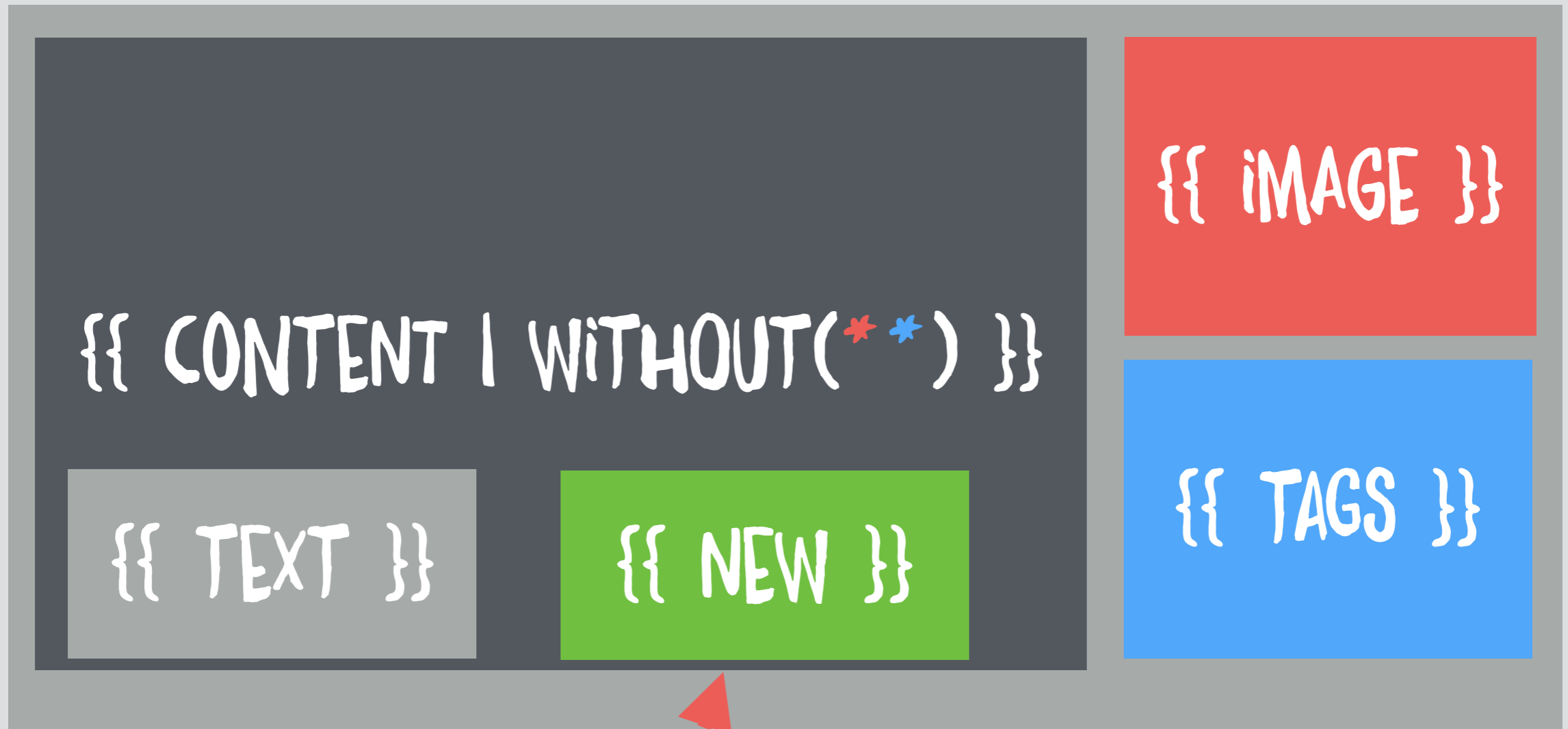
```
{{ content.image }}
```

```
{{ content|without('image','tags') }}
```



```
{{ content.image }} {{ content.tags }}
```

```
{{ content|without('image','tags') }}
```



NEW FIELD

```
{{ content.tags }}  
{{ content.image }}
```

```
0
1
2
3
4
5
6
7
8
9
10 <article{{ attributes.addClass(classes) }}>
11   <div class="top">
12     <h1>{{ label }}</h1>
13     {{ content.field_tags}}
14   </div>
15
16   <div class="left">
17     {# split data up#}
18     {{ content|without('links', 'field_image', 'field_tags') }}
19   </div>
20
21   <div class="right">
22     {{ content.field_image}}
23   </div>
24 </section>
25 </article>
26
```

# NODE.HTML.TWIG

```
0
1
2
3
4
5
6
7
8
9
10 <article{{ attributes.addClass(classes) }}>
11   <div class="top">
12     <h1>{{ label }}</h1>
13     {{ content.field_tags }}
14   </div>
15
16   <div class="left">
17     {# split data up#}
18     {{ content|without('links', 'field_image', 'field_tags') }}
19   </div>
20
21   <div class="right">
22     {{ content.field_image }}
23   </div>
24 </section>
25 </article>
26
```

```
0 <article{{ attributes.addClass(classes) }}>
1   <div class="top">
2     <h1>{{ label }}</h1>
3     {{ content.field_tags }}
4   </div>
5
6   <div class="left">
7     {# split data up#}
8     {{ content|without('links', 'field_image', 'field_tags') }}
9   </div>
10
11  <div class="right">
12    {{ content.field_image }}
13  </div>
14 </section>
15 </article>
```



# FIELD

THE HEART OF DRUPAL

HOW MANY <DIV>S  
DOES IT TAKE TO MAKE A  
“SINGLE FIELD  
WITH ONE VALUE”



View

Edit

Delete

[Home](#) » [a field](#)

**Title \***

a field

**single**

Yo!

Save and keep published



Preview

[Delete](#)

YO!

@MORTENDK

#DRUPALTWIG

```
<div
class="field
  field-name-field-single
  field-type-text
  field-label-hidden">
<div class="field-items">
  <div class="field-item even">
    YO!
  </div>
</div>
</div>
</div>
```

7

```
<div  
class="field  
  field--name-field-single  
  field--type-string  
  field--label-hidden  
  field__items">
```



YO!

```
</div>
```

CLASSY

```
<div> YO! </div>
```

ONE DIV  
ZERO CLASSES  
100% DRUPAL

```
<div>      YO!      </div>
```

ONE DIV  
ZERO CLASSES  
100% DRUPAL

```
<div class="yolo"> YO! </div>
```

NADA MARKUP

ZERO CLASSES

100% DRUPAL

WEEEEEEEEEEEEEEEEEEEEEE !



DUDE THATS GREAT

WTF A

SINGLE

NAKED

<DIV>

WHATEVER

YOU

WANT IT TO

# FIELD MARKUP

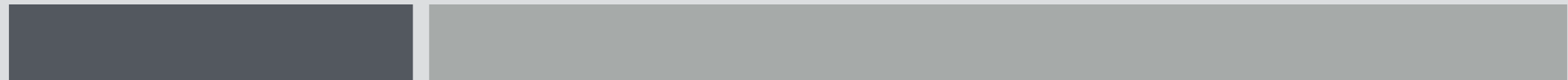


FIELD.HTML.TWIG

# FIELD

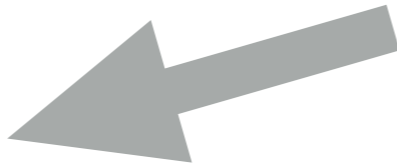
LABEL

VALUE

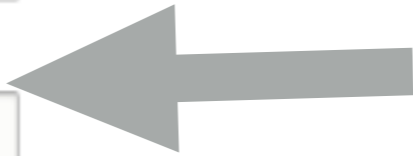


single

single + label



SINGLE



SINGLE WITH A LABEL

Show row weights

FIELD MULTIPLE

Add another item



MULTIPLE

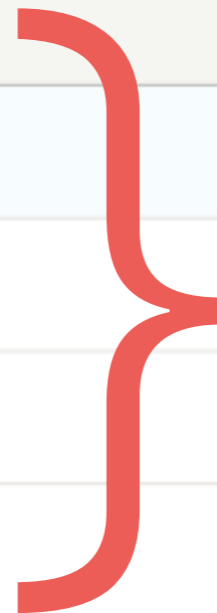
VALUES

NO LABEL

Show row weights

MULTIPLE + LABEL

Add another item



MULTIPLE VALUES

WITH A LABEL



FIELD.HTML.TWIG

SINGLE



MULTIPLE



SINGLE + LABEL



MULTIPLE + LABEL



# MANAGE DISPLAY

<input type="checkbox"/> single	<input type="text" value="- Hidden -"/>
<input type="checkbox"/> single + label	<input type="text" value="Above"/>
<input type="checkbox"/> Field multiple	<input type="text" value="- Hidden -"/>
<input type="checkbox"/> multiple + label	<input type="text" value="Above"/> <input checked="" type="text" value="Inline"/> <input type="text" value="- Hidden -"/> <input type="text" value="- Visually Hidden -"/>
<input type="checkbox"/> Disabled	

**LABEL** DISPLAY



“INLINE”



“ABOVE”



“VISUALLY  
HIDDEN”

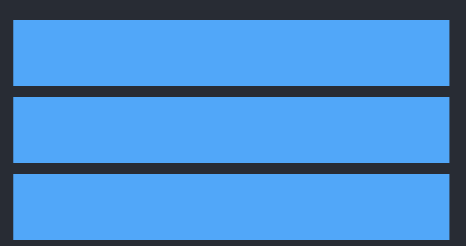


```
{% if label_hidden %}
    {% if multiple %}
        <div{{ attributes.addClass(classes, 'field__items') }}>
            {% for item in items %}
                <div{{ item.attributes.addClass('field__item') }}>{{ item.content }}</div>
            {% endfor %}
        </div>
    {% else %}
        {% for item in items %}
            <div{{ attributes.addClass(classes, 'field__item') }}>{{ item.content }}</div>
        {% endfor %}
    {% endif %}
{% else %}
    <div{{ attributes.addClass(classes) }}>
        <div{{ title_attributes.addClass(title_classes) }}>{{ label }}</div>
        {% if multiple %}
            <div class='field__items'>
        {% endif %}
        {% for item in items %}
            <div{{ item.attributes.addClass('field__item') }}>{{ item.content }}</div>
        {% endfor %}
        {% if multiple %}
            </div>
        {% endif %}
    </div>
{% endif %}
```

## FIELD.HTML.TWIG

```
{% if label_hidden %}
```

```
{% if multiple %}
```



NO LABEL

```
{% else %}
```



```
{% endif %}
```

```
{% else %}
```



```
{% if multiple %}
```



LABEL

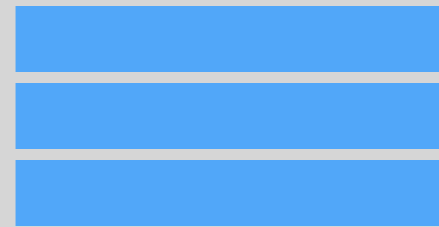
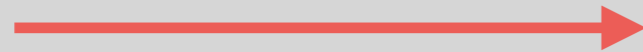
```
{% endif %}
```

```
</div>
```

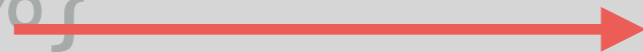
```
{% endif %}
```

**{% if label\_hidden %}**

{% if multiple %}



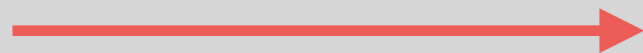
{% else %}



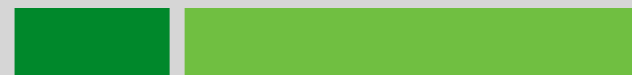
{% endif %}

**{% else %}**

{% if multiple %}



{% else %}



```
<div> yo </div>
```

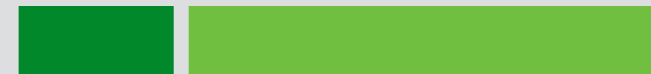


```
<div>
```

```
  <div> label</div>
```

```
  <div>yo </div>
```

```
</div>
```



```
<section>
```

```
  <h3>label</h3>
```

```
  <li>
```

```
    <li>yo </li>
```

```
    <li>lo </li>
```



# ATTRIBUTES

PURE CLASS

# ATTRIBUTES

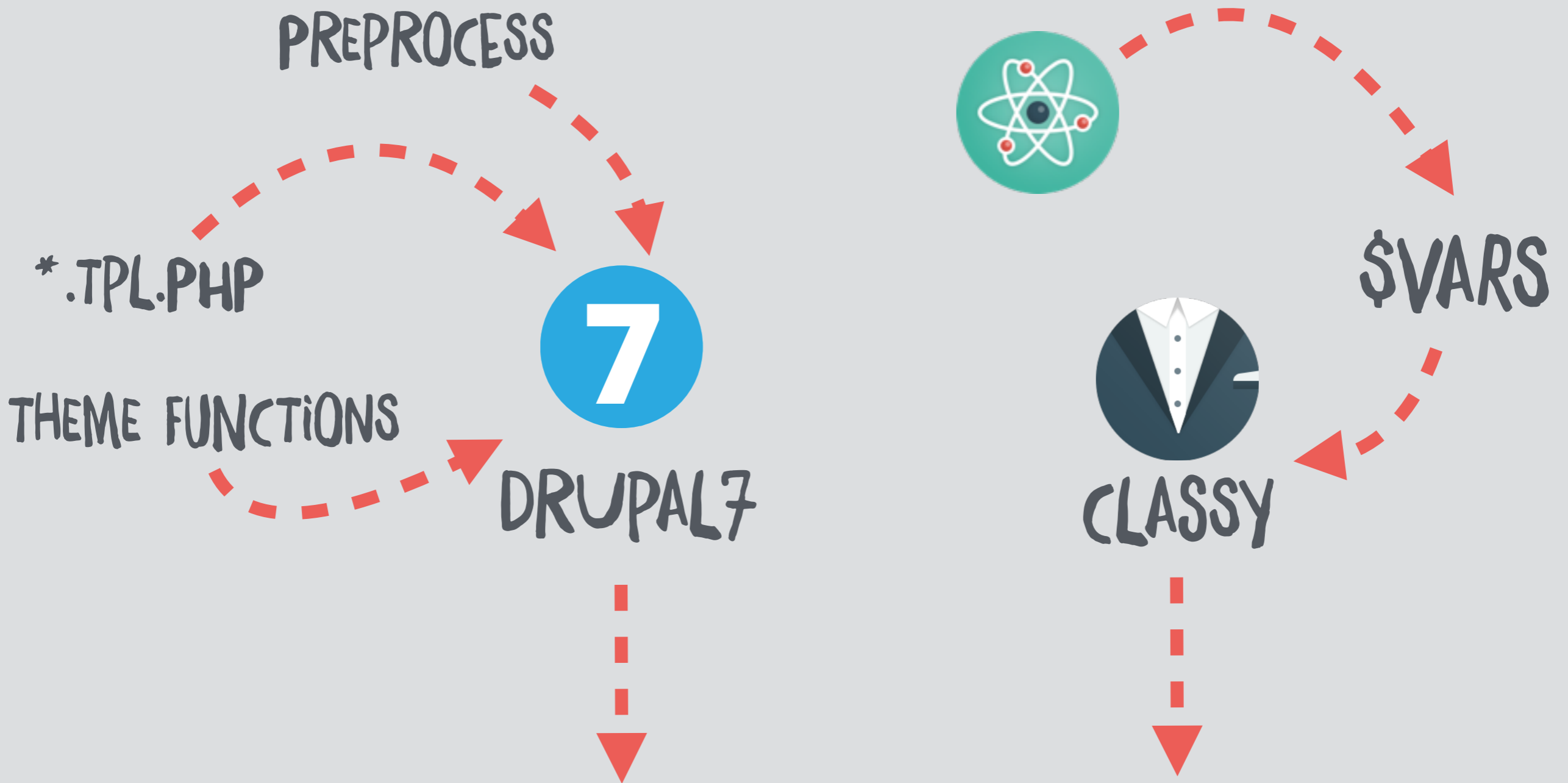
```
<div {{ attributes }}>
```

class="foo"

data-drupal-foo

aria-hidden="true"





```
<DIV CLASS="FOO FOO-BAR FOO-BAR-BAZ">
```



**ADD CLASS**

# ADDCLASS

```
{%  
  set classes = [  
    'field-' ~ field_name|clean_class ~ '  
  ]  
%}
```

```
<div {{ attributes.addClass(classes) }}>...</div>
```

```
<div class="tags field-tags">...
```



**REMOVE CLASS**



BAD CANADIAN MODULE

<div class="nickelback">

```
<DIV CLASS="CORE">
```

ESSENTIAL CLASSES EX:  
"IS-VISIBLE"



CORE



MODULE



CLASSY

```
<DIV CLASS="CORE NICKELBACK">
```

```
$VAR['ATTRIBUTES']->ADDCLASS('NICKELBACK')
```



CORE



MODULE



CLASSY

<DIV CLASS="CORE NICKELBACK THEME">

{{ ATTRIBUTES.ADDCLASS("THEME") }}



CORE



MODULE



CLASSY

```
<DIV CLASS="CORE THEME">
```

```
{{ ATTRIBUTES.REMOVE("NICKELBACK") }}
```



CORE



MODULE



CLASSY



```
<DIV CLASS="THEME">
```

```
{{ ATTRIBUTES.REMOVE('NICKELBACK','CORE') }}
```



CORE



MODULE



CLASSY



`<div {{ attributes.removeClass('nickelback') }}>`

BAD CANADIAN MODULE

`<div class="nickelback">`

# JS- PREFIX

<DIV CLASS="JS-FOO FOO">...



\$(.JS-FOO)



.FOO{...}

# CLEAN\_CLASS

node.bundle|clean\_class



# ATTRIBUTES

```
<div class="nickelback">
{
attributes
.removeClass('nickelback')
.addClass('rush')
.setAttribute('id', 'top')
}
<div id="top" class="rush">
```

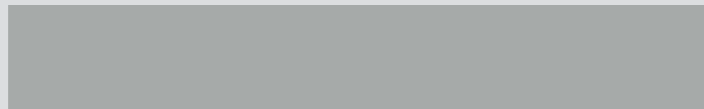


# FIELD & ATTRIBUTES

KISSING IN A TREEEEEEEEEEEEEEEEEE

# REMEMBER THIS ?

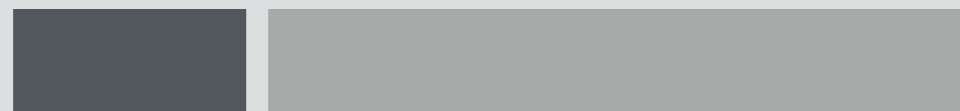
SINGLE



MULTIPLE



SINGLE + LABEL



MULTIPLE + LABEL



```
<div> yo </div>
```

---

```
<div>  
  <div> label</div>  
  <div>yo </div>  
</div>
```

---

```
<div>  
  <div>label</div>  
  <div>  
    <div>yo </div>  
    <div>hej </div>
```

---





```
<div class="field field__item"> yo </div>
```

---

```
<div class="field">  
  <div class="field__label"> label</div>  
  <div class="field__item">yo </div>  
</div>
```

---

```
<div class="field">  
  <div class="field__label">label</div>  
  <div class="field__items">  
    <div class="field__item">yo </div>  
    <div class="field__item">lo </div>
```

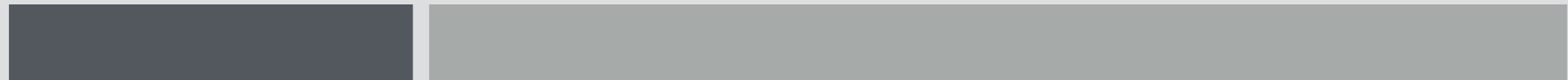
---



.field

LABEL

VALUE



.field\_label

.field\_item

.field

.field\_items

.field\_label

.field\_item



**FIX THE MARKUP**

Chrome File Edit View History Bookmarks People Window Help 1 0:00 32% Tue 12:43 Morten

drupal8.dev/node/3

GR tag1 apple Røyale tool Resizer frontend dev twig html5 grafik resources CSS autoreload DSM Moria Other Bookmarks

Manage Shortcuts admin Edit

Content Structure Appearance Extend Configuration People Reports Help

# a field

one  
two  
three  
four  
five  
666vm/

Elements Network Sources Timeline Profiles Resources Audits Console EditThisCookie

```
<!-- THEME DEBUG -->
<!-- THEME HOOK: 'html' -->
<!-- FILE NAME SUGGESTIONS:
  * html--node--3.html.twig
  * html--node--%.html.twig
  * html--node.html.twig
  x html.html.twig
-->
<!-- BEGIN OUTPUT from 'themes/barcelona/templates/cleanup/html.html.twig' -->
<!DOCTYPE html>
<html lang="en" dir="ltr" class=" js no-touch details js">
  <#shadow-root
  <head>_</head>
  <style type="text/css">_</style>
  <body class="user-logged-in path-node node--type-field toolbar-tray-open toolbar-fixed toolbar-horizontal" style="padding-t
    <a href="#main-content" class="visually-hidden focusable skip-link">
      Skip to main content
    </a>
  </body>
</html>
```

body { padding-top: 79px; }

media="all" body { font-size: 1.5rem; font-family: 'open-sans', sans-serif; font-weight: 400; } typography.css?nv2q8l:32

media="all" body { } page.css?nv2q8l:57

media="all" body { } page.css?nv2q8l:15

File 0 Project 0 No Issues barcelona/templates/field--node--field.html.twig 9:1 LF UTF-8 HTML (Twig) 8.0.x

ADD A LIBRARY TO A TEMPLATE

# a field

- one
- two
- three
- four
- five
- 666\m/
- one more than 6 so 7
- when is drupal 8 coming out
- nine
- 10

Yo!

single + label

yo label

multiple + label

one

two

3

• [View](#)

Duration: 1 min 8 secs

ADD CLASSES



```
Atom  File  Edit  Selection  Find  View  Packages  Window  Help  H 0:00  15%  Tue 13:23
barcelona.css - /Users/mortendk/Sites/drupal8 - Atom
field--node--field.html.twig  barcelona.css  untitled
9  list-style: none;
10 padding: 0;
11 }
12 li{
13   border-bottom: 1px solid gray;
14 }
15
16 .first{ border-top: 20px solid #F48FB1; }
17 .last{ border-bottom: 20px solid #F06292; }
18 .color-blue {
19   color: #0D47A1;
20   font-weight: bold;
21   font-size: 3em
22 }
23 .color-red { background-color: #C62828;}
24 .color-yellow {background-color: #FFE53B;}
25
```

CHANGE STUFF WHEN  
WERE AT NUMBER 8

one

two

**three**

four

five

666\n/

one more than 6 so 7

when is drupal 8 coming out

nine

10

Yo!

single + label

```
{% else loop.last %}
```

```
40 {# for loop #}
41 {% for item in items %}
42   {{ items|length }} items.
43   {% if loop.first %}
44     {# first loop #}
45   {% elseif loop.last %}
46     {# last loop #}
47   {% elseif loop.index == "2" %}
48     {# 2nd loop #}
49   {% elseif loop.revindex == "2" %}
50     {# 2nd last reverse counted #}
51   {% else %}
52     {# default #}
53   {% endif %}
54 {% endfor %}
```

# CSS FILES IN TEMPLATE

```
{{ attach_library('themenamename/library') }}
```



# TWIGBLOCK

MORE COOLNESS FROM TWIG

@MORTENDK

#DRUPALTWIG



D8

PAGE.HTML.TWIG

DATA (PAGE.HTML.TWIG)

DATA (PAGE.HTML.TWIG)



D8

PAGE.HTML.TWIG

DATA (PAGE.HTML.TWIG)

DATA (PAGE.HTML.TWIG)

```
{% block foo %}  
{% endblock %}
```





D8

PAGE.HTML.TWIG

DATA (PAGE.HTML.TWIG)

(PAGE--FRONT.HTML.TWIG)

DATA (PAGE.HTML.TWIG)

```
{% extends "page.html.twig" %}
```

## Main navigation

[Home](#)  
[node](#)

### [farewell](#)

Submitted by admin on Sun, 09/28/2014 - 18:55

- [Read more](#)
- [Log in](#) or [register](#) to post comments

### [Hello agin](#)

Submitted by admin on Sun, 09/28/2014 - 18:54

- [Read more](#)
- [Log in](#) or [register](#) to post comments

### [Hello wörlid](#)

Submitted by admin on Sun, 09/28/2014 - 01:39

Thers is 3 tags: [green](#) [blue](#) [yellow](#)



Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

- [Read more](#)
- [Log in](#) or [register](#) to post comments

Powered by [Drupal](#)

```
<main role="main">
  <a id="main-content" tabindex="-1"></a>{# link is in html
#}

{# twig block #}
{% block hero %}
{% endblock %}

{{ page.content }}
```

PAGE.HTML.TWIG

```
{# page--front #}
{% extends "page.html.twig" %}

{% block hero %}
  <h1>Drupal 8 hero!</h1>
{% endblock %}
```

PAGE-FRONT.HTML.TWIG

```
<main role="main">
  <a id="main-content" tabindex="-1"></a>{# link is in html
#}
```

```
{# twig block #}
{% block hero %}
{% endblock %}
```

```
{{ page.content }}
```

PAGE.HTML.TWIG

PAGE-FRONT.HTML.TWIG

```
{# page--front #}
{% extends "page.html.twig" %}
```

```
{% block hero %}
  <h1>Drupal 8 hero!</h1>
{% endblock %}
```

# A FEW LAST THINGS

ARE YOU NOT ENTERTAINED ?

# SCREENSHOT 2.0

[Back to site](#)

[Manage](#)

[Shortcuts](#)

[admin](#)

Set and configure the default theme for your website. Alternative [themes](#) are available.

## Installed themes

  
**Classy**  
A base theme with sensible default CSS classes added.

[Link 1](#)  
[Link 2](#)  
[Link 3](#)  
[Link 4](#)  
[Link 5](#)

[Home](#)

**Donec felis eros, blandit non**  
Submitted by admin on Thu, 04/16/2015 - 04:20




Morbi id lacus. Etiam malesuada diam ut libero. Sed blandit, justo nec euismod laoreet, nunc nulla laculis elit, vitae. Donec dolor. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos hymenaeos. Vivamus vestibulum felis nec libero. Duis lobortis. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nunc venenatis pretium magna. Donec dictum ultrices massa. Donec vestibulum porttitor purus. Mauris nibh ligula, porta non, porttitor sed, fermentum id, dolor. Donec eu lectus et elit porttitor rutrum. Aenean justo. Phasellus augue tortor, mattis nonummy, aliquam euismod, cursus eget, ipsum. Sed ultricies bibendum ante. Maecenas rhoncus tincidunt eros.

## yggdrasil (default theme)

Power of Thor, Wisdom of Odin, Love of Freya

[Settings](#)

  
**Bartik**  
A flexible, recolorable theme with many regions and a responsive, mobile-first layout.

[LINK 1](#) [LINK 2](#) [LINK 3](#) [LINK 4](#) [LINK 5](#)

[Home](#)

Search


User login

Username

Password

[Create new account](#)  
[Reset your password](#)

**Donec felis eros, blandit non**  
Submitted by admin on Thu, 04/16/2015 - 04:20



Morbi id lacus. Etiam malesuada diam ut libero. Sed blandit, justo nec euismod laoreet, nunc nulla laculis elit, vitae. Donec dolor. Class aptent taciti sociosqu ad litora torquent per conubia nostra, per inceptos hymenaeos. Vivamus vestibulum felis nec libero. Duis lobortis. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Nunc venenatis pretium magna. Donec dictum ultrices massa. Donec vestibulum porttitor purus. Mauris nibh ligula, porta non, porttitor sed, fermentum id, dolor. Donec eu lectus et elit porttitor rutrum. Aenean justo. Phasellus augue tortor, mattis nonummy, aliquam euismod, cursus eget, ipsum. Sed ultricies bibendum ante. Maecenas rhoncus tincidunt eros.

Tags  
[Earth](#) [Moon](#) [Latin](#)

[Log in or register to post comments](#)

## Bartik 8.0.0-dev

A flexible, recolorable theme with many regions and a responsive, mobile-f

[Settings](#) | [Uninstall](#) | [Set as default](#)

```

{% import _self as menus %}

{#
We call a macro which calls itself to render the full tree.
@see http://twig.sensiolabs.org/doc/tags/macro.html
#}
{{ menus.menu_links(items, attributes, 0) }}

{% macro menu_links(items, attributes, menu_level) %}
{% import _self as menus %}
{% if items %}
{% if menu_level == 0 %}
    <ul{{ attributes.addClass('menu') }}>
{% else %}
    <ul class="menu">
{% endif %}
{% for item in items %}
    <li{{ item.attributes }}>
        {{ link(item.title, item.url) }}
        {% if item.below %}
            {{ menus.menu_links(item.below, attributes, menu_level + 1) }}
        {% endif %}
    </li>
{% endfor %}
</ul>
{% endif %}
{% endmacro %}

```

## MENU.HTML.TWIG

```

{% if items %}
<nav class="pager" role="navigation" aria-labelledby="pagination-heading">
  <h4 id="pagination-heading" class="visually-hidden">{{ 'Pagination'|t }}</h4>
  <ul class="pager__items">
    {# Print first item if we are not on the first page. #}
    {% if items.first %}
      <li class="pager__item pager__item--first">
        <a href="{{ items.first.href }}" title="{{ 'Go to first page'|t }}"{{ items.first.attributes }}>
          <span class="visually-hidden">{{ 'First page'|t }}</span>
          <span aria-hidden="true">{{ items.first.text|default('« first'|t) }}</span>
        </a>
      </li>
    {% endif %}
    {# Print previous item if we are not on the first page. #}
    {% if items.previous %}
      <li class="pager__item pager__item--previous">
        <a href="{{ items.previous.href }}" title="{{ 'Go to previous page'|t }}" rel="prev"{{ items.previous.attributes }}>
          <span class="visually-hidden">{{ 'Previous page'|t }}</span>
          <span aria-hidden="true">{{ items.previous.text|default('< previous'|t) }}</span>
        </a>
      </li>
    {% endif %}
    {# Add an ellipsis if there are further previous pages. #}
    {% if ellipses.previous %}
      <li class="pager__item pager__item--ellipsis" role="presentation">&hellip;</li>
    {% endif %}

```

# PAGER.HTML.TWIG

```

{% else %}
  {% set title = 'Go to page @key'|t({'@key': key}) %}
  {% endif %}
  <a href="{{ item.href }}" title="{{ title }}"{{ item.attributes }}>
    <span class="visually-hidden">
      {{ current == key ? 'Current page'|t : 'Page'|t }}
    </span>

```





# VANILLA

MY "LEARN ALL THE THINGS" THEME

@MORTENDK

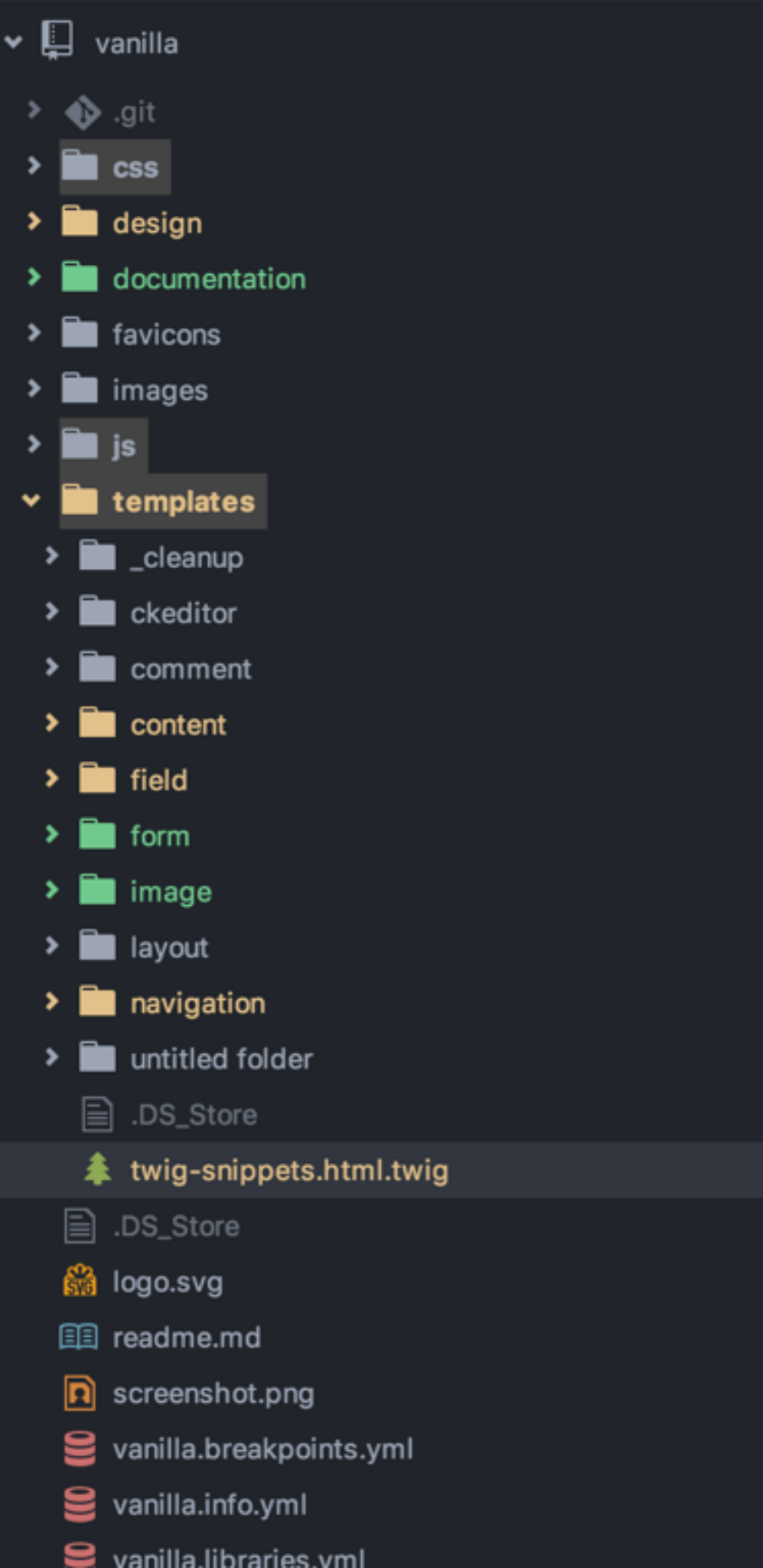
#DRUPALTWIG

# VANiLLA



[DRUPAL.ORG/PROJECT/VANILLA](https://drupal.org/project/vanilla)

[GITHUB.COM/MORTENDK/VANiLLA](https://github.com/mortendk/vanilla)



```
twig-snippets.html.twig
1  {#
2  a collection of twig snippets for Drupal8
3  general twig documentation: http://twig.sens
4  #}
5
6  {# ----- Variables -----
7  {# variabels #}
8  {{ variable }}
9  {{ variable.drill.into.it }}
10 {{ variable.drill.into['#hashalsousedascommen
11
12 {# Filters #}
13 {{ variable|filter }}
14 {# http://twig.sensiolabs.org/doc/filters/in
15
16 {# Drupal Translate #}
17 {{ variable|t }}
18
19 {% trans %}
20 | this will be translated with {{ variables }}
21 {% endtrans %}
22
23 {% trans %}
24 | only one.
25 {% plural_count %}
```

# 8 THINGS CHANGED

TL;DL

TOO LONG - DIDN'T LISTEN!

# 1. iE SUPPORT?

NO MORE SUPPORT FOR

IE6, IE7 & IE8

16 JAN. 2016

MICROSOFT DROPPED SUPPORT FOR

IE8 - IE10

# 2. MARKUP CLEANUP

HTML5

CSS IS SMACSS & BEM BASED

“MODERN” PRACTICE #ID REMOVED

SEVEN IS RESPONSIVE

# JS SEPERATION

SEPARATED

JAVASCRIPT'S FUNCTIONALITY

CSS STYLING IS SEPARATED

```
.JS-FOOBAR{ ...}
```

```
.FOOBAR{ COLOR: BLUE}
```

# DIViTiS

90%

OF THE MARKUP IS GONE



# JQUERY DEPENDENCY

DONT WANT 32K OF LOVE ?  
... THEN DON'T

# STABLE & CLASSY

“COMPLETELY” SEPARATES  
DRUPAL MARKUP FROM MODULES

# SEVEN & BARTIK

THEY ARE "INTERNAL"  
SO THEY WILL CHANGE  
AS WE MOVE FORWARD

SALUTE!

TEAM-TWIG-ARMY

I SALUTE YOU!

i LOOOOVE UUUU

JEN LAMPTON

LAURII

JOEL

COTTSER

#FREERUBEN

FABIANX

DAVID HERNANDEZ

LEWIS

JOHN ALBIN

EMMA

MARK D

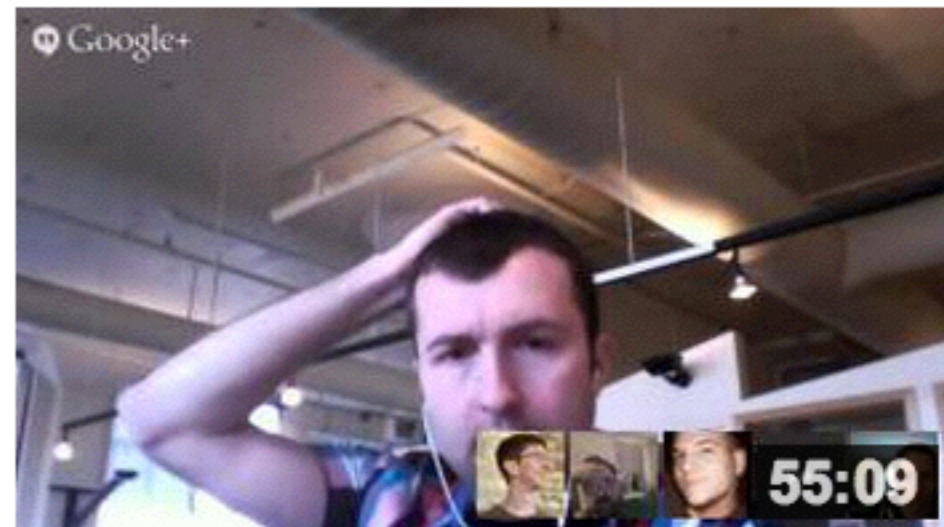
WIM LEERS

# JOIN US



**Drupal Twig/Theme System  
- March 6, 2014**

6 days ago



**Drupal Twig/Theme System  
- February 27, 2014**

1 week ago

THURSDAY'S

17:00 (CPH) | 21:30 (MUMBAI)

IRC: #DRUPAL-TWIG

@MORTENDK

#DRUPALTWIG



# FRONTEND UNITED

Ghent | 27-28 May



[FRONTENDUNITED.ORG](https://frontendunited.org)

@MORTENDK

#DRUPALTWIG



USE TWITTER  
#DRUPALTWIG

QUESTIONS, COMMENTS & FEEDBACK  
@MORTENDK



@MORTENDK

THE HAPPY THEMER ;)

# SLIDES

[TINYURL.COM/DIVITISBADCAMP15](https://tinyurl.com/divitisbadcamp15)

# LINKS

[DRUPAL.ORG/THEME-GUIDE/8](https://drupal.org/theme-guide/8)

[DRUPAL.ORG/CODING-STANDARDS/CSS](https://drupal.org/coding-standards/css)

[SMACSS.COM](https://smacss.com)

[TWIG.SENSIOLABS.ORG/DOCUMENTATION](https://twig.sensiolabs.org/documentation)

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# SETUP

[YOUTUBE.COM/MORTENDKROCKS](https://www.youtube.com/mortendkrocks)

# CREDITS

FONTS:

DAFT BRUSH, BRUSH UP, BITTER

ICONS:

SMALL ICONS 2