



# Drupal 8 のデザイン基礎（Twig in Drupal 8 から）

Drupal のデザインをやさしく学ぶ勉強会

## 第 7 回

開催日 2016 年 1 月 13 日(水) 19:00-21:30

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## はじめに

Drupal で Web デザインを開発する方法を基礎から学ぶ勉強会です。

Drupal 7 や Drupal 8 のデザインを学びます。また、オリジナルのデザインテンプレートを作るほかに、良く使われている Drupal のベーステーマ、Omage、Zen、Adaptivethemes、Bootstrap など学びます。

## Drupal 8 のデザインの作り方、管理、

### 参考書籍 Drupal 8 Theming with Twig

<https://www.packtpub.com/web-development/drupal-8-theming-twig>

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**Drupal 8 Theming with Twig**

Chaz Chumley  
January 2016

Master Drupal 8's new Twig templating engine to create fun and fast websites with simple steps to help you move from concept to completion

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## Drupal 8 Theming with Twig

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## Theming Drupal 8

[View](#) [Edit](#) [Revisions](#)

*Last updated November 20, 2015. Created on February 3, 2013.*

*Edited by [guitarbound2015](#), [HongPong](#), [sqndr](#), [wusel](#). You can [edit this page](#), too.*

This guide is about creating themes for Drupal 8.

Quite significant [changes were introduced in the theme system between Drupal 8 and 7](#). This guide contains information that applies to Drupal 8 and refers sometimes to Drupal 7 in order to explain new concepts and approaches.

Outside drupal.org other theming guides can be found, such as [sqndr's excellent Drupal 8 theming guide](#).

PHPTemplate has been discontinued for theming in Drupal 8; the [Twig markup language is used instead](#). This will make Drupal 8 themes much more secure because PHP calls will no longer exist in theme files. This will also make theming easier to understand for non-programmers.

For a collection of useful materials for themers, see [Theming and Front End Development with Drupal](#).

- 
- [Defining a theme with an .info.yml file](#)
  - [Theme folder structure](#)
  - ▶ [Twig in Drupal 8](#)
  - [Adding Regions to a Theme](#)
  - [Adding stylesheets \(CSS\) and JavaScript \(JS\) to a Drupal 8 theme](#)
  - [Classy themes css selectors](#)
  - ▶ [Creating a Drupal 8 sub-theme](#)
  - [Including Default Image Styles With Your Theme](#)
  - [Including Part Template](#)
  - ▶ [Using attributes in templates](#)
  - [Working with breakpoints in Drupal 8](#)
  - ▶ [Theming differences between Drupal 6, 7 & 8](#)
  - ▶ [Advanced Theming](#)

## Twig in Drupal 8

# Twig in Drupal 8

[View](#) [Edit](#) [Revisions](#)

*Last updated October 19, 2014. Created on October 3, 2014.  
Edited by [batigolix](#), [jOksanen](#), [LoMo](#). You can [edit this page](#), too.*

Twig is a template engine for PHP and it is part of the [Symfony2 framework](#).

In Drupal 8 Twig replaces PHPTemplate as the default templating engine. One of the results of this change is that all of the `theme_*` functions and PHPTemplate based `*.tpl.php` files have been replaced in by `*.html.twig` template files.

- 
- ▶ [Working With Twig Templates](#)
  - [Comparison of PHPTemplate and Twig theming paradigms](#)
  - ▶ [Debugging Twig templates](#)
  - [Filters - Modifying Variables In Twig Templates](#)
  - [Functions - In Twig Templates](#)
  - [Twig best practices - preprocess functions and templates](#)

## Locating Template Files with Debugging

# Locating Template Files with Debugging

[View](#) [Edit](#) [Revisions](#)

*Last updated November 2, 2015. Created on October 17, 2014.  
Edited by [Cottser](#), [chrisfree](#), [japo32](#), [brianperry](#). You can [edit this page](#), too.*

If you want to know which template is generating the markup for a particular element, you can use Twig's built in debug option. This option will render HTML comments alongside your rendered output that include the theme hooks in use, suggested template filenames, as well as denoting the exact Twig file used to render a particular section of your markup.

You enable Twig debugging in `sites/default/services.yml` by setting `debug: true` under the `twig.config` section. For full instructions on Twig debugging, see [Debugging compiled Twig Templates](#).

# Debugging compiled Twig templates

[View](#) [Edit](#) [Revisions](#)

*Last updated January 12, 2016. Created on January 31, 2013.*

*Edited by [korba](#), [theMusician](#), [Cottser](#), [-enzo-](#). You can [edit this page](#), too.*

The Twig engine [provides options](#) for configuring debugging, automatic reloading (recompiling) of templates, and caching compiled templates in the filesystem. By default, the Twig theming engine compiles templates into PHP code and stores the compiled code in memory. Compiled code is unsuitable for development, since changes in Twig templates are not immediately updated in your Drupal site. Twig cache can be cleared through Drupal's clear cache interface, but for ongoing development it's easier to change Drupal's settings so that Twig doesn't cache anything at all.

Note that in most cases you'll likely want to disable Render API caching as well. Instructions below. If you do not do this you will still need to flush the cache before seeing the changes to your Twig file because when the Render API uses the associated Twig template to generate the HTML it then caches the generated HTML and your Twig template isn't used on subsequent page views. Regardless of Twig debug settings.

## How to enable debugging with Drupal Console

```
drupal site:mode dev
```

This will change the following values in your sites/default/services.yml:

```
twig.config: { debug: true }
```

You should see something similar to this:

---

## Drupal console

### Drupal 8 Console

The Drupal Console is a suite of tools that you run on a command line interface (CLI) to generate boilerplate code and interact with a Drupal 8 installation.

- **Supported version: Drupal 8.0.0**
- [Project documentation](#)
- [Project support chat room](#)

### Installation and use

```
# Run this in your terminal to get the latest Console version:
curl https://drupalconsole.com/installer -L -o drupal.phar

# Or if you don't have curl:
php -r "readfile('https://drupalconsole.com/installer');" > drupal.phar

# Accessing from anywhere on your system:
mv drupal.phar /usr/local/bin/drupal

# Apply executable permissions on the downloaded file:
chmod +x /usr/local/bin/drupal

# Copy configuration files to user home directory:
drupal init [--override]

# Download, install and serve Drupal 8:
drupal chain --file=~/.console/chain/quick-start.yml

# Create a new Drupal 8 project:
drupal site:new drupal8.dev 8.0.0
```

```
total 88
dr-xr-xr-x 3 www-data www-data 4096 Jan 13 05:46 .
drwxr-xr-x 3 www-data www-data 4096 Jan 6 22:36 ..
-rw-r--r-- 1 www-data www-data 5997 Jan 6 22:36 default.services.yml
-rw-r--r-- 1 www-data www-data 28352 Jan 6 22:36 default.settings.php
drwxrwxr-x 9 www-data www-data 4096 Jan 13 04:54 files
-r----- 1 www-data www-data 6013 Jan 13 05:46 services.yml
-r----- 1 www-data www-data 28875 Jan 13 04:49 settings.php
kazu@instance-1:/var/www/test/drupal/sites/default$ sudo drupal site:mode dev
Configuration name: system.performance
```

Configuration key	Original Value	Override Value
cache.page.use_internal		false
css.preprocess	true	false
css.gzip	true	false
js.preprocess	true	false
js.gzip	true	false
response.gzip		false

Configuration name: views.settings

Configuration key	Original Value	Override Value
ui.show.sql_query.enabled	false	true
ui.show.performance_statistics	false	true

Configuration name: system.logging

Configuration key	Original Value	Override Value
error_level	hide	all

Services files /var/www/test/drupal/sites/default/services.yml was overwritten

New services settings

Service	Parameter	Value
twig.config	auto_reload	true
twig.config	cache	true
twig.config	debug	true

Rebuilding cache(s), wait a moment please.

[OK] Done clearing cache(s).

```
kazu@instance-1:/var/www/test/drupal/sites/default$ sudo twig.config: { debug: true }
sudo: twig.config: command not found
```



インスペクタ - http://130.211.172.124/test/drupal/node/2

インスペクタ コンソール デバッグ スタイルエディタ パフォーマンス ネットワーク

ter--has-metanode\_head... h1node\_title spanfieldfield--name-title.field--type...

```
<div id="main-content" class="l-pr page__row pr-main">
  <div class="l-rw regions container pr-main__rw arc--2 hr--1-3">
    <!--THEME DEBUG-->
    <!--THEME HOOK: 'region'-->
    <!--FILE NAME SUGGESTIONS: * region--content.html....-->
    <!--BEGIN OUTPUT from 'themes/mytheme_/templates/layo....-->
  <div class="l-r region pr-main__content">
    ::before
    <!--THEME DEBUG-->
    <!--THEME HOOK: 'block'-->
    <!--FILE NAME SUGGESTIONS: * block--mytheme--local....-->
    <!--BEGIN OUTPUT from 'themes/mytheme_/templates/bloc....-->
    <div id="block-mytheme-local-tasks" class="contextual-region block
    block-core block-local-tasks-block"></div>
    <!--END OUTPUT from 'themes/mytheme_/templates/block/....-->
    <!--THEME DEBUG-->
    <!--THEME HOOK: 'block'-->
    <!--FILE NAME SUGGESTIONS: * block--mytheme--conte....-->
    <!--BEGIN OUTPUT from 'themes/mytheme_/templates/bloc....-->
  <main id="block-mytheme-content" class="block block-main-content"
  role="main">
    <!--THEME DEBUG-->
    <!--THEME HOOK: 'node'-->
    <!--FILE NAME SUGGESTIONS: * node--2--full.html.tw....-->
    <!--BEGIN OUTPUT from 'themes/mytheme_/templates/cont....-->
    <article class="contextual-region node node--id-2 node--type-article
    node--promoted node--view-mode-full" typeof="schema:Article"
    about="/test/drupal/node/2" role="article" data-quickedit-entity-
    id="node/2" data-history-node-id="2" data-quickedit-entity-instance-
    id="0">
      ::before
      <div class="node__container">
        <header class="node__header--has-meta node__header">
          <h1 class="node__title">
            <!--THEME DEBUG-->
            <!--THEME HOOK: 'field'-->
            <!--FILE NAME SUGGESTIONS: * field--node--title--a....-->
            <!--BEGIN OUTPUT from 'themes/mytheme_/templates/fiel....-->
            <span class="field field--name-title field--type-string field--
            label-hidden quickedit-field" data-quickedit-field-id="node/2
            /title/ja/full" property="schema:name">theme test</span>
            <!--END OUTPUT from 'themes/mytheme_/templates/field/....-->
          </h1>
          <div class="contextual" data-contextual-
          id="node:node=2:changed=1452661820&langcode=ja" role="form"></div>
          <!--THEME DEBUG-->
          <!--THEME HOOK: 'rdf_metadata'-->
          <!--BEGIN OUTPUT from 'themes/mytheme_/templates/misc....-->
          <span class="rdf-meta hidden" content="theme test"
          property="schema:name"></span>
          <!--END OUTPUT from 'themes/mytheme_/templates/misc/r....-->
          <!--THEME DEBUG-->
```

ルール CSS をフィルタ

疑似要素

この要素

要素 { インライン }

.field { \_field.scss:8  
margin-bottom: 1rem; }

\* { \_elements.scss:31  
box-sizing: border-box; }

h1 から継承

h1, .h1 { \_elements.scss:88  
font-size: 2.625rem;  
line-height: 2.8125rem; }

h1, h2, h3 { \_elements.scss:78  
font-weight: 400; }

body から継承

body { \_color.scss:17  
color: #363636; }

body { \_elements.scss:23  
font-size: 1rem;  
line-height: 1.3125rem; }

html から継承

html { \_elements.scss:17  
font-family: sans-serif;  
line-height: 1.5rem; }

html { \_vertical\_rhythm.scss:106  
font-size: 100%;  
line-height: 0.375em; }

## Drupal Console のチュートリアル動画

<https://www.youtube.com/watch?v=J30KFakAyHw>

```
1. fish /Users/jmolivas (php)

Web server
Hash salt      3q6yCYmU9ouK257lasx9D9z5E-ApEaknQd24o0op2Ljnicz0S6vM1c_Bdp4h8kF_eGXwP82HmA
Drupal Console version 0.9.2
Database connection
Driver         mysql
Host          localhost
Database connection drupal
Port          3306
Username      root
Password      root
Connection    mysql://root:root@localhost:3306/drupal
Themes
theme_default  bartik
theme_admin   seven
Directories
Site root directory      /Users/jmolivas/develop/drupal/sites/drupal8.dev
Site temporary directory /Applications/MAMP/tmp/php
Default theme directory  /core/themes/bartik
Admin theme directory    /core/themes/seven
Configuration
Active config path
Staging config path

The command was executed successfully!
```

## Drupal Console --root option demo



Jesus Manuel Olivas

チャンネル登録 10

視聴回数 70 回

+ 追加    ➔ 共有    ... その他

👍 0    💬 0

## Drush and Twig

Twig Extensions    [https://www.drupal.org/project/twig\\_extensions](https://www.drupal.org/project/twig_extensions)

# Twig Extensions

[View](#)[Version control](#)[Revisions](#)[Automated Testing](#)

Posted by [joelpittet](#) on *December 10, 2015 at 11:44am*

## Porting Twig extensions to Drupal

<http://twig.sensiolabs.org/doc/extensions/index.html>

### Installation

#### Before enabling the module

This library can be installed via Composer running the following from the command line in your Drupal project root:

```
composer require twig/extensions
```

Then you may enable the module through the UI or drush:

```
drush en twig_extensions
```



### Features

- **Text**: Provides useful filters for text manipulation;
- **l18n**: Adds internationalization support via the `gettext` library;
- **Intl**: Adds a filter for localization of `DateTime` objects;
- **Array**: Provides useful filters for array manipulation;
- **Date**: Adds a filter for rendering the difference between dates.

## Adding Regions to a Theme

# Adding Regions to a Theme

[View](#) [Edit](#) [Revisions](#)

*Last updated November 10, 2015. Created on April 11, 2015.*

*Edited by [ashish\\_nirmohi](#), [bruvvers](#), [squidgle](#), [autopoietic](#). You can [edit this page](#), too.*

Adding regions to a theme requires:

- Adding region meta-data to your THEMENAME.info.yml file
- Editing your page.html.twig file and printing the new regions

## Adding Regions to Your Info File

Start by declaring any new regions in your THEMENAME.info.yml file. Regions are declared as children of the `regions` key like so:

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

## Adding stylesheets (CSS) and JavaScript (JS) to a Drupal 8 theme

# Adding stylesheets (CSS) and JavaScript (JS) to a Drupal 8 theme

[View](#) [Edit](#) [Revisions](#)

Last updated December 4, 2015. Created on March 12, 2014.

Edited by [Wim Leers](#), [Paritoshik Paul](#), [thamas](#), [ashish\\_nirmohi](#). You can [edit this page](#), too.

In Drupal 8, stylesheets (CSS) and JavaScript (JS) are loaded through the same system for modules (code) and themes, for everything: [asset libraries](#).

**Drupal uses a high-level principle: assets (CSS or JS) are still only loaded if you tell Drupal it should load them. Drupal does not load all assets (CSS/JS) on all pages, because this is bad for front-end performance.**

## Differences compared to Drupal 7

There are four important differences compared to Drupal 7 for themers:

1. We no longer have a `THEME.info` file, but a `THEME.info.yml` file, but it still contains the same data.
2. The `stylesheets` property (for adding CSS assets) in `THEME.info.yml` files no longer exists, because we use only libraries now.
3. The `scripts` property (for adding JS assets) in `THEME.info.yml` files no longer exists, because

## Page status

No known problem

[Edit this page](#)  
[Report to moderator](#)

## About this page

**Drupal version**  
Drupal 8.x

**Audience**  
Designers/themer

**Level**

## 今月の Drupal デザインテンプレート

### AdaptiveTheme モジュール

ダウンロード <https://www.drupal.org/project/adaptivetheme>

ベースのデザインテンプレートです

# AdaptiveTheme

[View](#)[Version control](#)[Revisions](#)

Posted by [Jeff Burnz](#) on *July 15, 2009 at 12:56pm*

## Responsive HTML5 Base Theme

Adaptivetheme is a powerful theme framework designed from the ground up to power modern, cross browser/cross device websites using responsive design techniques.

Adaptivetheme allows you to set up specific layouts for different device groups - such as desktop, tablet and smartphone - all via the user interface and without any coding.

If you are using Panels try the [Browscap CTools](#) module to control the visibility of panel panes in mobile devices or [Browscap Block](#) to do the same thing with normal blocks.

[Panels](#), [Display Suite](#) and [Gpanels](#) are fully supported with many options for displaying panel type layouts in mobile.



## 役立つモジュールの紹介

---

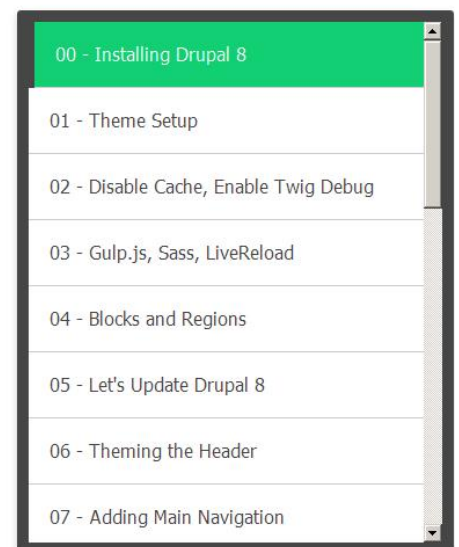
今回は Drupal 8 のテーマを学ぶ動画チュートリアル

Drupal 8 Theming Tutorial Series <http://watch-learn.com/series/drupal-8-theming/>

## Drupal 8 Theming Tutorial Series

In this series we are going to learn about Drupal 8 theming. Also we are going to take a look at Views, content types, fields and all other good stuff that the Drupal comes with. Of course you are also going to learn about Twig, the template language that Drupal uses.

### Drupal 8 Theming - Part 00 - Installing Drupal 8



使用しているソースファイルなどをダウンロード

<https://github.com/ivandoric/d8theming/releases/tag/3>

GitHub This repository Search Explore Features Enterprise Pricing Sign up Sign in

ivandoric / d8theming Watch 4 Star 7 Fork 1

Code Issues 1 Pull requests 0 Pulse Graphs

Releases Tags

3  
d02737d

## Drupal 8 Theming - Part 03 - Gulp.js, sass, LiveReload

ivandoric released this on 19 Nov 2015 · 14 commits to master since this release

In this episode of Drupal 8 Theming tutorial series we are going to setup our theme to work with Sass, Gulp.js and Live Reload.

[Check out the video here](#)

### Downloads

[Source code \(zip\)](#)

[Source code \(tar.gz\)](#)

Drupal 8 のテーマで必要そうな動画

- Drupal 8 Theming - Part 02 - Disable Cache, Enable Twig Debug
- Drupal 8 Theming - Part 03 - Gulp.js, Sass, LiveReload
- Drupal 8 Theming - Part 04 - Blocks and Regions
- Drupal 8 Theming - Part 06 - Theming the Header
- Drupal 8 Theming - Part 07 - Adding Main Navigation
- Drupal 8 Theming - Part 10 - Creating and Displaying Content Types and Fields
- Drupal 8 Theming - Part 13 - Kint, Arrays, Twig, Foreach, If
- Drupal 8 Theming - Part 16 - Working With CSS Frameworks

など

実習



Adaptivethemes の Drupal 8 版を Google クラウドにインストールして、テーマの作り方を学びます。非常に使いやすく、CSS 初心者でも使えるそうなくみです。

[ホーム](#) » [管理](#) » [テーマ](#) » [Appearance settings](#)

これらのオプションで *mytheme2* テーマの表示設定をコントロールできます。サイトがこのテーマを使っている際にこの設定が使われます。

EXTENSIONS

Enable extensions

Responsive Menus

Image Settings

Touch Icons

Markup Overrides

Image Settings

Set alignment, caption display and image count per content type and display modes.

記事

基本ページ

Save extension settings

LAYOUTS

PAGE (DEFAULT)

ADD NEW SUGGESTION

OPTIONS

BREAKPOINTS

MAX WIDTH

BACKUPS

Save layout settings

配色

BASIC SETTINGS

## 次回の予定

2月のデザインをやさしく学ぶ勉強会は、2月10日(水)、かながわ県民センター707号室です。内容は、Drupal 8のテーマについての最新情報、Drupal 8版のデザインテンプレートの紹介、Omega Five for Drupal 8を実際に使ってみながら学びます。

# クレジット、謝辞、ライセンス

---

## クレジット

このマニュアル作者は、Gennai3 株式会社の程田和義です。

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## 謝辞

本マニュアル作成は、主に以下のサイトを参考にしました。心より感謝いたします。

出典 : <https://Drupal.org>

## ライセンス

Drupal は Dries Buytaert による登録商標です。その他本マニュアルで使われている製品および名称については、それぞれの所有者の商標または登録商標です。