



CSS Nite LP, Disk 26 CSS Preprocessor Shootout

# 環境に合わせて快適コンパイル生活

---

2013.01.12 こもりまさあき

# さらっと自己紹介

## こもりまさあき

1972年生まれのフリーランス。90年代前半から都内のDTP系デザイン会社にてアルバイトをはじめ、大学卒業後そのまま正社員に。入出力業務、デザイン業務、ネットワーク関連業務に並行して従事後、2001年会社を退職しフリーランスの道へ。業務内容や立ち位置が異なるので、職域的な肩書きはなし

近著に『レスポンス・ウェブデザイン標準ガイド』  
『WebデザイナーのためのHTML5移行ガイド』、など

Twitter: @cipher / @proteanbm

Instagram: @cipher



# 今日お話しすること

- GUIを使ってコンパイルしたいあなたに
- コマンドラインではじめるコンパイル生活
- 最新のWeb制作手法をちょっとのぞき見



GUIを使ってコンパイルしたい皆さんへ

# *GUI Tools for Compiling*

*GUI*

何を使うにしても、できるだけ簡単な方が良いですね

まずは、LESS

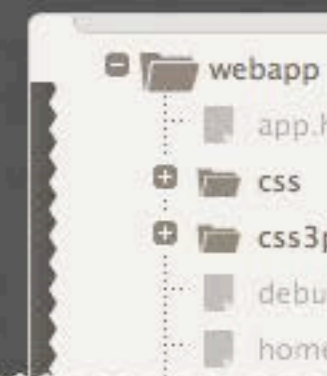
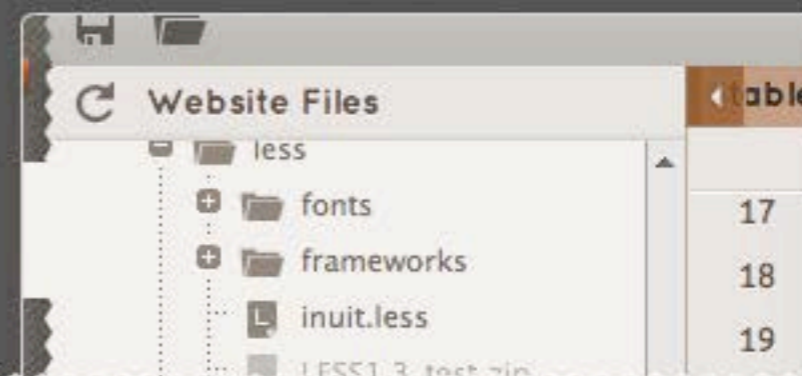


The LESS editor and compiler that almost makes it too easy.



**Crunch!**

<http://crunchapp.net/>



**SimpLESS** Created by KISS<sup>+</sup>

[Blog](#) [Changelog](#) [Support](#)



SIMPLIFYING WEBSITE PROGRAMMING

# SimpLESS compiles LESS into beautiful CSS



Short intro

It's easy to understand why thousands of developers use SimpLESS for their web projects. SimpLESS is your easy-to-use LESS CSS compiler.

Available for free for mac and pc.

Download SimpLESS now!

IT'S FREE FOR EVERY PLATFORM.

# SimpLESS

<http://wearekiss.com/simpless>



SimpLESS

**test.less (+2)**

→ C:\Users\Christian\Desktop\sub\test.less Compilation successful

✓ C:\Users\Christian\Desktop\sub\test.css [profile](#) [rating](#) [love](#)

---

**bootstrap.less (+33)**

→ C:\Users\Christian\Desktop\bootstrap2\less\bootstrap.less Jun 25, 2012

← C:\Users\Christian\Desktop\bootstrap2\less\bootstrap.css [profile](#) [rating](#) [love](#)

Add more \*.less files.  
Drag & drop another project folder.

SimpLESS your \*.less compiler [www](#)

## Drag & Drop

## Write

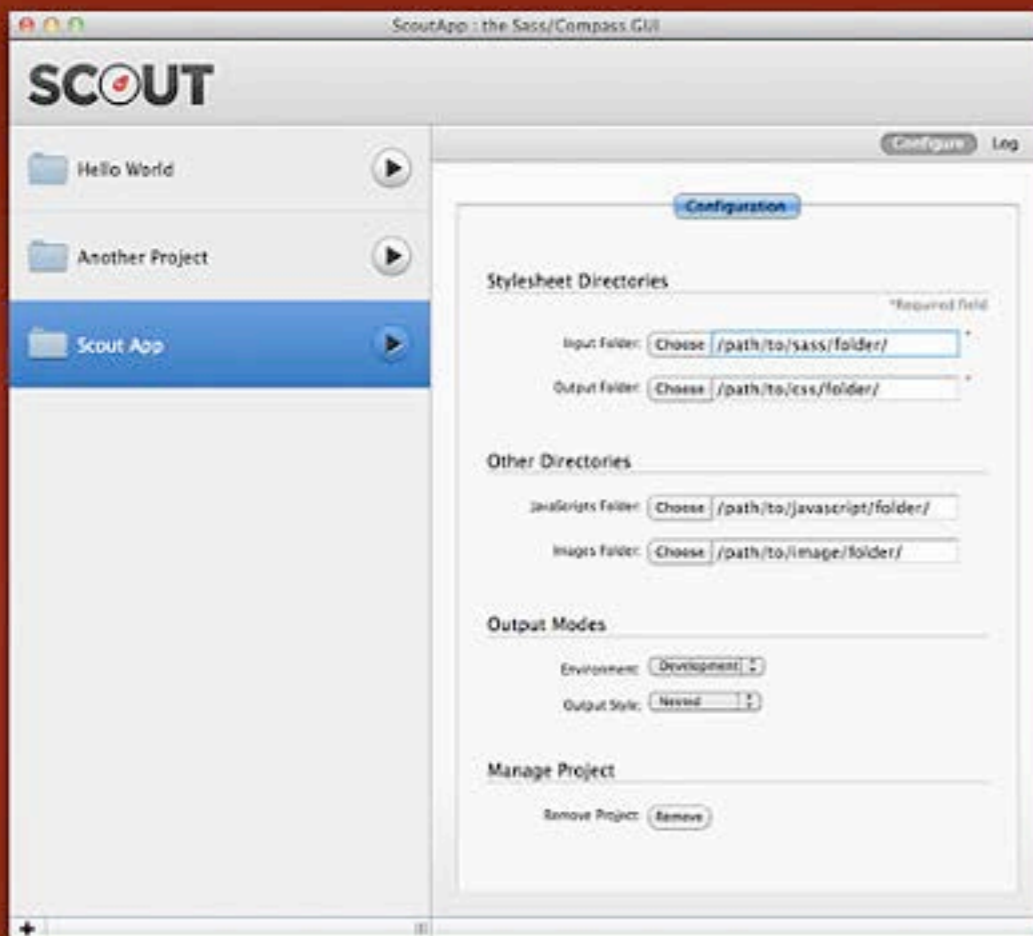
## Done



次に、Sass & Compass

# SCOUT

Compass and Sass without all the hass(le)







**Scout is a cross-platform app that delivers the power of Sass & Compass into the hands of web designers.**

**SCOUT**

<http://mhs.github.com/scout-app/>

Scout helps make your CSS workflow a snap by delivering more control, optimization, and organization. *No developer required.*

Use Sass / Compass in    easily[Documentation](#)  [FAQ](#)  [Issues](#)**\$10** **BUY NOW**30% of sales donated to [UMDF](#) Star 429 Tweet 495 Follow @handlino 491 followers

**Compass** is a stylesheet authoring framework that makes your stylesheets and markup easier to build and maintain. With compass, you write your stylesheets in **Sass** instead of plain CSS.

Compass.app is a menubar only app for Sass and Compass. It helps designers compile stylesheets easily without resorting to command line interface.  
<http://compass.handlino.com/>

Compass.app is written in Java (JRuby), and works in mac, linux and pc. You do not need to install Ruby environment to use it.



We also made  
**Fire.app** - The fast  
prototyping tool

最後は、Stylus

えっと…、単体のGUIアプリはありませんw

あ、Photoshopの画像をCSSプリプロセッサに渡せないの？

It's black magic! [Share it!](#)

[Home](#)

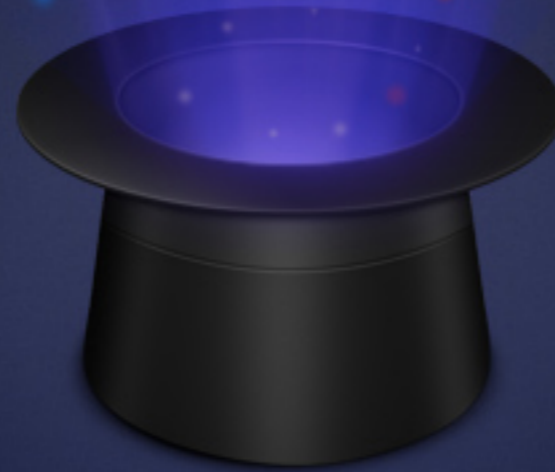
[The Hat Story](#) 17

[FAQ](#)

[About us](#)

[Follow us](#)

`</> { }`  
`opacity` `size`  
`%` `gradient`  
`border: 3px` `box-shadow`



**CSS Hat** turns Photoshop layer styles to CSS3. Instantly.



\$29.99

**Buy CSS Hat Now**

100% money-back guarantee

**CSS Hat**

<http://csshat.com/>

Compatible with  

# CSS Hatで。LESS、Sass、Stylus、好きなものに渡して

※パーツの形状や塗りによっては、「LESSHat」「Compass」「nib」などのmixins系ライブラリが必要です



LESS、Sass、Compass、Stylus、全部入りのアプリは？

あ、CodeKitなら、さっき聞いたから

...

LiveReload 2 proudly presents...

# The Web Developer Wonderland

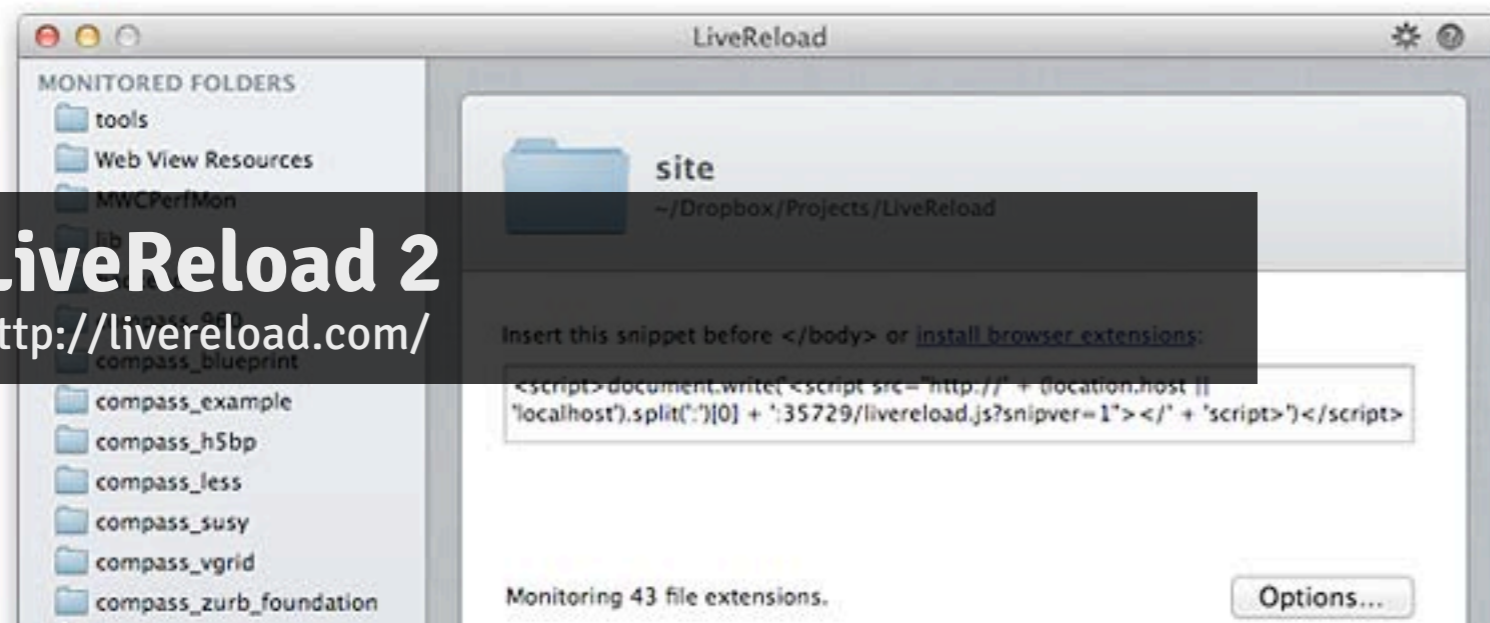
(a happy land where browsers don't need a Refresh button)

CSS edits and image changes apply live.

CoffeeScript, SASS, LESS and others just work.

Citizenship is granted through the Mac App Store.

Windows permanent residency issues are being worked out,  
temporary stay already allowed.



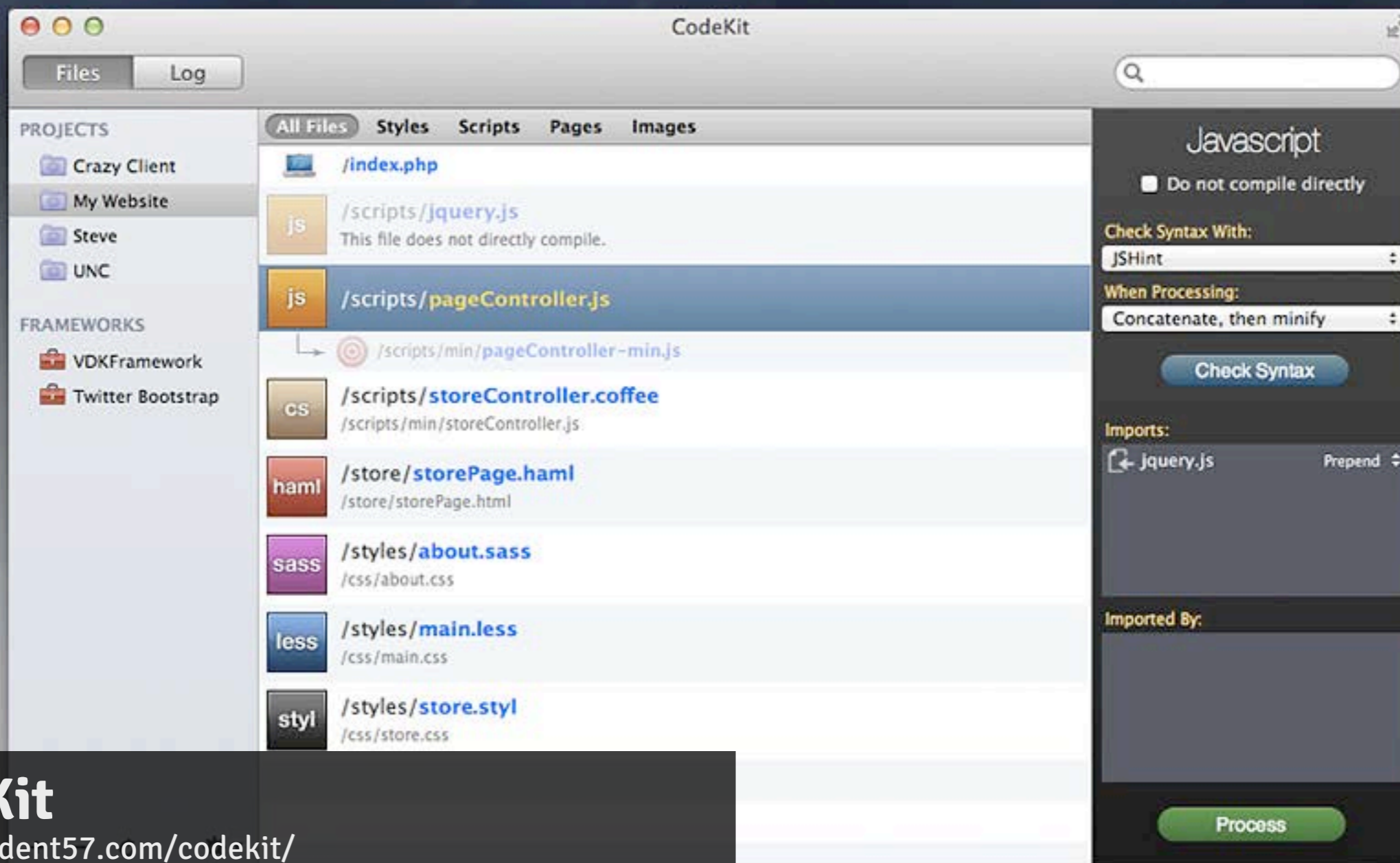
**LiveReload 2**  
<http://livereload.com/>

## What does LiveReload do?

LiveReload monitors changes in the file system. As soon as you save a file, it is preprocessed as needed, and the browser is refreshed.

Even cooler, when you change a CSS file or an image, the browser is updated instantly

そして

 CodeKit

CodeKit

http://incident57.com/codekit/

**It's like steroids** for web developers.

だって、一番簡単かつ多機能なんですよもん

で、CMSでもLESSとかSass使いたいんだけど…





# Jetpack

by WORDPRESS.COM

Jetpack supercharges your self-hosted WordPress site with the awesome cloud power of WordPress.com.

To get started with Jetpack, download and install the plugin. Once you've installed Jetpack you'll get access to all the delightful features below.

[Download Jetpack](#)

## Notifications

Monitor and manage your site's activity with Notifications in your Toolbar and on WordPress.com.



Free

## Publicize

Connect your site to popular social networks and automatically share new posts with your friends.



Free

## WordPress.com Stats

Simple, concise site stats with no additional load on your server.



Free

## Jetpack Comments

A new comment system that has integrated social media login options.



Free

**Jetpack**

<http://jetpack.me/>

## Subscriptions

Allow users to

## Carousel

Transform your

## Post By Email

Publish posts to your

## Sharing

The most super duper

## Movable TypeでSass等処理するプラグイン(その1)

壺 (2013年1月 9日 10:13) | [コメント\(0\)](#) | [トラックバック\(0\)](#)

最近、[Sass](#)や[less](#)など、CSSをより書きやすくするためのプリプロセッサが流行しています。

また、JavaScriptの世界でも、[CoffeeScript](#)や[TypeScript](#)など、同様の考え方の処理系があります。

そこで、テンプレートを再構築した時点で、ファイルをこれらのプリプロセッサで処理して、コンパイル済みのファイルを自動的に出力するプラグインを作りました。

サーバー側にプリプロセッサをインストールする必要がありますので、敷居はそこそこ高いですが、Movable Typeとプリプロセッサを組み合わせる方なら作業効率が上がると思います。

今日は、プラグインのインストールと基本的な利用手順を解説します。

### 1.対応しているプリプロセッサ

本記事執筆時点では、以下のプリプロセッサに対応しています。

使用するプリプロセッサは、出力するファイルの拡張子で判断するようになっています。

なお、Sassは拡張子が.sassか.scssかで文法が異なります。

	プリプロセッサ	拡張子
CSS系	Sass	.sass / .scss
	less	.less
	Stylus	.styl / .stylus
	CoffeeScript	.coffee
	TypeScript	.ts

## Preprocessor

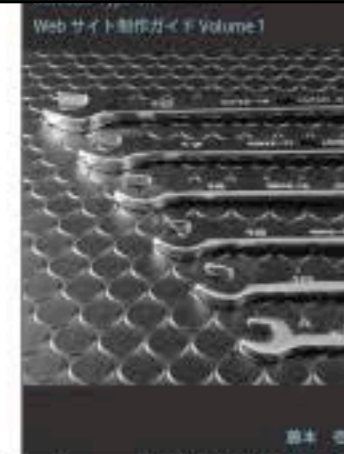
<http://www.h-fj.com/blog/archives/2013/01/09-101359.php>

### 2.IPC::Run3のインストール

当プラグインでは、PerlのIPC::Run3モジュールを使います。

そこで、サーバーにIPC::Run3モジュールをインストールします。

通常は以下のコマンドでインストールします。



「[Movable Type 5.1 Webサイト作成ガイドVolume 1](#)」は、Movable Type 5.1の基本操作からテンプレート作成までを解説した本です。

詳細は[特設ページ](#)をご覧ください。



「[WordPressで学ぶPHPとMySQL](#)」は、WordPressを通して、PHPとMySQLの基本をマスターするための本です。

詳細は[特設ページ](#)をご覧ください。

プラグインが見つかりませ

CMSじゃなく、テンプレートとか使って簡単に作れないの？

ありますよ、CSSプリプロセッサをベースに作れるのが

[Documentation](#)[Issues](#)

# Fire.app

Dead Easy HTML Prototyping

\$14

BUY NOW

10% of sales donated to [UMDF](#) because we love Compass.

Star 292

Tweet 198

Follow @handlino 491 followers

## Features

### Fire.app

<http://fireapp.handlino.com/>

Love Sass/Compass but hate command line interface? Fire.app has first class

Sass/Compass support just like our

[Compass.app](#). No more **vendor CSS**

### Template languages

Haml/Slim/ERB/Markdown formats are supported as the content templating engine.

Layouts, partials, and helpers can all be written in different format that fits the best

### CoffeeScript

Javascript is great, CoffeeScript is **awesome**. Enjoy writing CoffeeScript?

Fire.app compiles it, back to back.



# Hammer



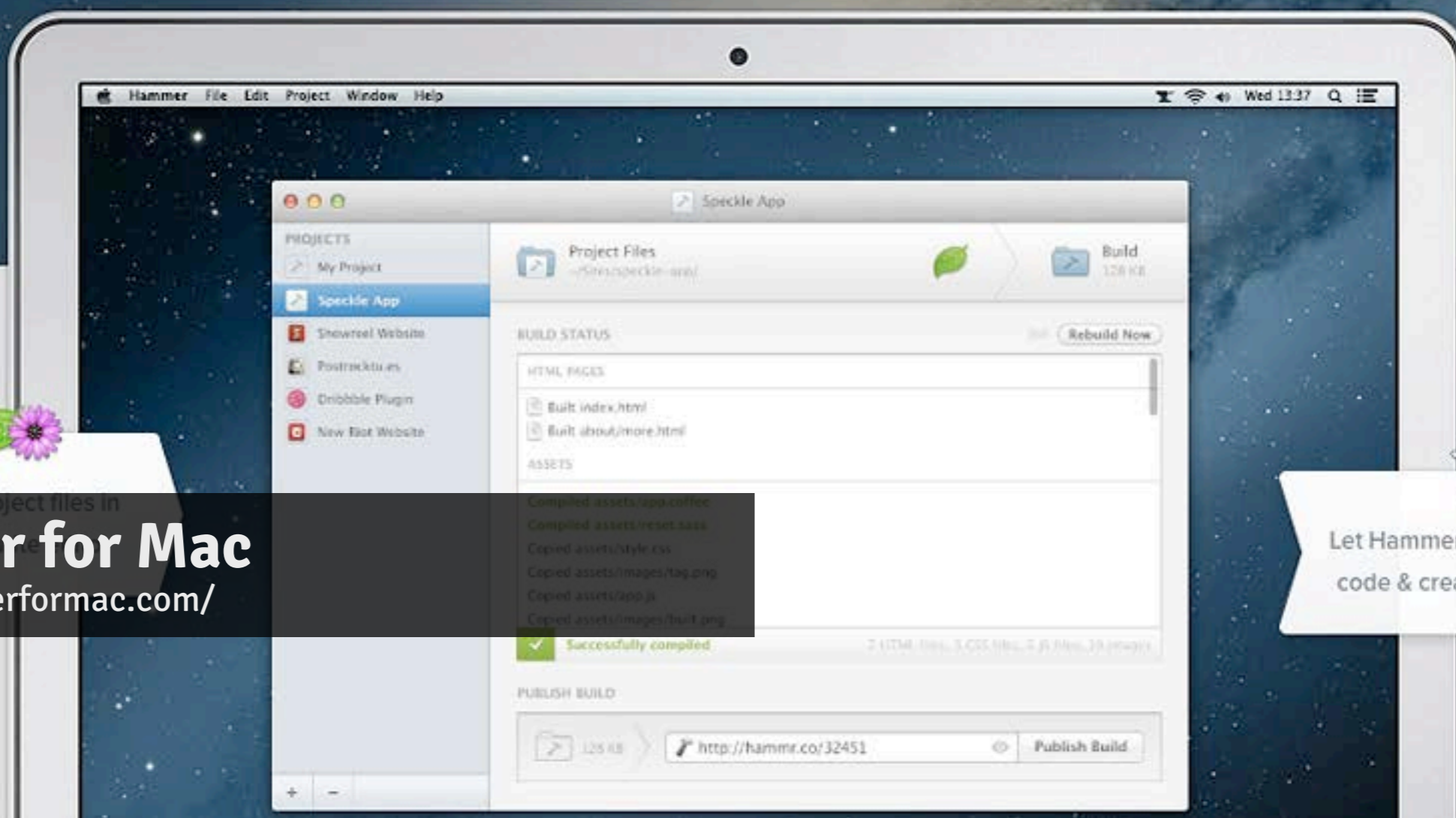
Only available on the  
Mac App Store



Download Trial  
14 days • OS X 10.7+

Hammer is a web development tool for web designers & developers.

Build out static HTML sites quickly and easily. No fuss, no mess, no PHP.



Edit the project files in

## Hammer for Mac

<http://hammerformac.com/>



Let Hammer compile your  
code & create your build



## Introducing Anvil for Mac.

A beautiful menubar app for managing local sites.

余談: 静的なHTMLとかJSだけなら、Anvil for Macをサーバ代わりに使うと楽

Anvil takes your site folder, gives it a .dev URL and makes it run for you. Works for any static HTML sites and Rack apps.



No more command line. No more file:// addresses. No more installing complicated software.

Free Download



# The Kit Language

A .kit file is HTML with special comments.

Kit adds two things to HTML: imports and variables.

CodeKit compiles .kit files into regular HTML files.

## Imports

You can import any file, of *any* type, into a Kit file. The syntax is just like the syntax for importing files in CSS.

```
<!-- @import "someFile.kit" -->  
<!-- @import "file.html" -->
```

The syntax is super-flexible too. You can use `@include` instead of `@import` if you prefer and quotes and spaces are totally optional (except for the space after the `@import`

## CodeKit - The Kit Language

<http://incident57.com/codekit/kit.php>





Follow our progress on [Twitter](#)

## HOW MIXTURE CAN HELP YOU

A front-end development and prototyping tool for designers & developers. Mixture's small, fast, powerful, requires no server-side setup, has it's own local server and works with your favourite editor.

01

### COMPILE SASS, LESS, STYLUS, COFFEESCRIPT & MORE

**MIXTURE**

<http://mixture.io/>

Mixture will automatically evaluate and compile when it detects changes. We also support frameworks like Compass.

02

### BOILERPLATES: JUMP START A PROJECT QUICKLY & EASILY

Boilerplates allow you to get started quickly & easily with minimal fuss. You can even favourite or create and share your own.

GUIでも用途にあわせてツールが選べる時代になりました

まず自分で試してみても、環境にあったものを選びましょう



コマンドラインではじめるコンパイル生活

# *Command Line Tools for Compiling*



GUIな面構えのツールもいろいろ出てきたけれど…

これからのWeb制作は、**Ruby** と **Node.js** がないと困る

最新のツールは、大体 “**gem**” か “**npm**” でインストール

# RubyGems.org

your community gem host

[all gems](#) [sign in](#) [sign up](#)

## 1,192,016,971 downloads

of 49,603 gems cut since July 2009

Welcome to your community RubyGem host.

Find your gems easier, publish them faster, and have fun doing it.

### LEARN

#### Install RubyGems 1.8.24

Ruby's premier packaging system

#### Browse the Guides

In depth explanations, tutorials, and references

#### Gem Specification

Your gem's interface to the world

### SHARE

#### `gem update --system`

Update to the latest RubyGems version

#### `gem build foo.gemspec`

Build your gem

#### `gem push foo-1.0.0.gem`

Deploy your gem instantly

# RubyGems

<http://rubygems.org/>

RubyGems.org is the Ruby community's gem hosting service. **Instantly publish** your gems and install them. Use the API to interact and find out more information about available gems. **Become a contributor** and enhance the site with your own changes.



[↑ NODE.JS HOME](#)[↓ DOWNLOAD](#)[ABOUT](#)[NPM REGISTRY](#)[DOCS](#)[BLOG](#)[COMMUNITY](#)[LOGOS](#)[JOBS](#)[Create Account](#) | [Login](#)

## Node Packaged Modules

Total Packages: 20 638

131 865 downloads in the last day

3 845 817 downloads in the last week

13 710 957 downloads in the last month

Patches welcome!

Any package can be installed by using `npm install`.

Add your programs to this index by using `npm publish`.

### Recently Updated

- 2m `minif`
- 3m `formcaster`
- 5m `node-xmpp-joap`
- 10m `mimosa-server`
- 10m `express-decompress`
- 15m `minecraft-protocol`
- 20m `house`
- 23m `node-minifier`
- 24m `openclient`
- 33m `akashacms`
- [More...](#)

### Most Depended Upon

- 1994 `underscore`
- 1257 `request`
- 1233 `async`
- 1049 `coffee-script`
- 971 `express`
- 930 `optimist`
- 763 `commander`
- 663 `colors`
- 496 `uglify-js`
- 470 `connect`
- [More...](#)

# Node Pakaged Modules

<https://npmjs.org/>

“gem” と “npm” は「パッケージ管理ツール」のこと

Web制作ツールは、もはやパッケージで管理する時代

世の中の動きが速すぎて、製品リリースが追いつかない

GUIで操作できるまで待つか、コマンドに慣れるのが先か

さあ、どうしますか？

Photoshopとかのメニュー覚える方が難しいですから

そんなわけで、コマンドラインでのインストールと使い方



## Install

```
$ gem install package-name ...
```

```
$ npm install package-name ...
```

コマンド 何する？

どれを？

オプションなど

**npm** で **package-name** を **インストール** する

## Update

```
$ gem update
```

```
$ npm update
```



## The dynamic stylesheet language.

LESS extends CSS with dynamic behavior such as variables, mixins, operations and functions.

LESS runs on both the server-side (with **Node.js** and **Rhino**) or **client-side** (modern browsers only).



version 1.3.3  
changelog

### Write some LESS:

```
@base: #f938ab;

.box-shadow(@style, @c) when (iscolor(@c)) {
  box-shadow: @style @c;
  -webkit-box-shadow: @style @c;
  -moz-box-shadow: @style @c;
}

.box-shadow(@style, @alpha: 50%) when (isnumber(@alpha)) {
  .box-shadow(@style, rgba(0, 0, 0, @alpha));
}

.box {
  color: saturate(@base, 5%);
  border-color: lighten(@base, 30%);
  div { .box-shadow(0 0 5px, 30%) }
}
```

### Compile to CSS:

```
npm install -g less
lessc styles.less styles.css
```

[overview](#)
[usage](#)
[language](#)
[function reference](#)
[source](#)
[about](#)
[try it now!](#)
[Follow](#)

## Variables

### LESS

<http://lesscss.org/> allow you to specify widely used values in a single place, and then re-use them throughout the style sheet, making global changes as easy as changing one line of code.

```
// LESS
```

```
/* Compiled CSS */
```

## Install

```
$ npm install -g less
```

## Usage

```
$ lessc style.less style.css
```

# RECESS

*Twitter's CSS Hinter*

[VIEW ON GITHUB](#)

**RECESS**

<http://twitter.github.com/recess/>

## Install

```
$ npm install -g recess
```

## Usage

```
$ recess style.less --compress > style.css
```

```
$ recess style.less:style.css --watch
```



(style with attitude)

```
$ gem install sass
$ mv style.css style.scss
$ sass --watch style.scss:style.css
```

[About](#)[Tutorial](#)[Documentation](#)[Blog](#)[Try Online](#)

**Latest Release:** Media Mark (3.2.5)

[What's New?](#)

**Sass makes CSS fun again.** Sass is an extension of CSS3, adding [nested rules](#), [variables](#), [mixins](#), [selector inheritance](#), and [more](#). It's translated to well-formatted, standard CSS using the command line tool or a web-framework plugin.

Sass has two syntaxes. The most commonly used syntax is known as "SCSS" (for "Sassy CSS"), and is a superset of CSS3's syntax. This means that every valid CSS3 stylesheet is valid SCSS as well. SCSS files use the extension `.scss`.

The second, older syntax is known as [the indented syntax](#) (or just ".sass"). Inspired by [Haml's](#) terseness, it's intended for people who prefer conciseness over similarity to CSS. Instead of brackets and semicolons, it uses the indentation of lines to specify blocks. Files in the indented syntax use the

**Sass.**  
extension `.sass`.  
<http://sass-lang.com/>

While the documentation on this site is mostly in the SCSS syntax, both syntaxes are fully supported – there is no functional difference between them. Use the syntax you prefer.



[Download](#)

◆ [Editor Support](#)

◆ [Development](#)

## Install

```
$ gem install sass
```

## Usage

```
$ sass --watch style.scss:style.css
```

```
$ sass --watch input_dir:output_dir
```

The logo for Stylus, featuring the word "stylus" in a lowercase, elegant serif font. The letter 'y' is stylized with a long, sweeping tail that curves under the 'l' and 'u'. The 'y' and the first part of the 'l' are colored in a light green, while the rest of the letters are in a dark grey.

Expressive, dynamic, robust CSS

## CSS needs a hero

```
body {  
  font: 12px Helvetica, Arial, sans-serif;  
}  
a.button {  
  -webkit-border-radius: 5px;  
  -moz-border-radius: 5px;  
  border-radius: 5px;  
}
```

**stylus**

<http://learnboost.github.com/stylus/>

## What if we could omit braces?



## Install

```
$ npm install -g stylus
```

## Usage

```
$ stylus style.styl
```

```
$ stylus --watch style.styl
```

以上。 Ruby か Node.js のいずれかが必要です

# いずれかの環境 + Sublime Text 2のビルドツールで

※ 「LESS-build」 「SASS Build」 「Compass」 「Stylus」 のいずれかをインストールしてパスを設定する

保存と同時に自動でコンパイルすることもできるんです



Explore GitHub Search Features Blog

Sign up for free

Sign in

# alexnj / SublimeOnSaveBuild

★ Star 50 Fork 14

Code

Network

Pull Requests 1

Issues 7

Graphs

Trigger a build the moment you save a file in Sublime Text 2. Works best with web projects that make use of Less, Compass and any other pre-processor or a makefile. — [Read more](#)

Clone in Mac

ZIP

HTTP

SSH

Git Read-Only

<https://github.com/alexnj/SublimeOnSaveBuild>

Read-Only access

branch: master

Files

Commits

Branches 1

Tags

## SublimeOnSaveBuild / +

8 commits

Removed a typo.

alexnj authored 8 months ago

latest commit 67b01918c5

.gitignore

a year ago

First commit. [alexnj]

Main.sublime-menu

8 months ago

Removed a typo. [alexnj]

README.md

8 months ago

Merged pull requests #5, #6 and refactored the code. [alexnj]

8 months ago

Merged pull requests #5, #6 and refactored the code. [alexnj]

8 months ago

Merged pull requests #5, #6 and refactored the code. [alexnj]

README.md

# SublimeOnSaveBuild

<https://github.com/alexnj/SublimeOnSaveBuild>

## Settings - User

```
"filename_filter": "\\.(css|js|sass|less|scss|styl)$",  
"build_on_save": 1
```

※"filename\_filter"には、自動でコンパイルしたい拡張子を追加しておく

コマンド入力は最初だけ。あとは、勝手にコンパイル！

環境さえ作ってしまえば、特に難しいことはありません





最新のWeb制作手法をちょっとのぞき見してみよう

*New Tools for Web Dev.*

*Q&A*

[Get started](#) [Scaffolding](#) [Base CSS](#) [Components](#) [JavaScript](#) [Customize](#)

# Bootstrap

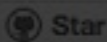
Free, intuitive, and powerful front-end framework for faster and easier web development.

[Download Bootstrap](#)

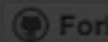
[GitHub project](#) [Examples](#) [Extend](#) [Version 2.2.2](#)

## Bootstrap

<http://getbootstrap.com/>



42,846



11,430



Follow @twbootstrap

46.9K followers



17.2K

Introducing Bootstrap

え、Bootstrapなら知ってるよ、さっき話してたじゃん？

LESSが使われてるってのも、説明してもらったしさ…

まさか、CSSとJSだけダウンロードして使ったりします？

Bootstrapは、コマンドラインから丸ごと使った方が便利

テンプレートも使えるし、LESSのコンパイルもできるの



.....  
TWITTER ENGINEERING PRESENTS

# BOWER

.....  
THE BROWSER PACKAGE MANAGER

HTML, CSS, AND JAVASCRIPT









**GITHUB**

**BOWER**

<http://twitter.github.com/bower/>



## Inside of Twitter Bootstrap

-  **docs** ← CSS、HTML、JSなどはこの中の「assets」に
-  **img**
-  **js** ← BootstrapのJavaScriptがここに
-  **less** ← 肝心のLESSはここに全部ある
-  **node\_modules** ← Node.jsのモジュールは「npm install .」で
-  **makefile** ← Bootstrap のコンパイルコマンドが記述されてる
-  **component.json** ← 依存する外部ライブラリの指示
-  **package.json** ← 依存するnpmモジュールの指示
- ...

## Download from GitHub or BOWER

<https://github.com/twitter/bootstrap>

```
$ bower install bootstrap
```

## Install npm\_modules

```
$ npm install .
```

## Usage

```
$ make
```

```
$ make watch
```

```
$ make bootstrap
```

※LESSをSassにしたBootstrapも有志の手によって公開されている。「bower install bootstrap-sass」

※変換時にエラーになる場合は、「npm install uglify-js@1 -g」でuglify-jsをVer. 1.x系に

同じような仕組みで、Stylus使うのもあったりしまして

# roots

where it all begins

[overview](#) [installation](#) [commands](#) [client-side js](#) [plugins](#) [help](#) [css library](#)

roots is a toolbox for building simple, beautiful, and efficient products for the web.



powerful compiled languages



simple project structure



css library & live reload

## roots

<http://roots.cx/>

### overview

Roots is a toolkit built on best practices for advanced front-end web development. It has a very large number of features, which I'll attempt to list below.

Roots comes in the form of a static site build tool by default, but also includes templates and plugins for [express.js](#) and [rails](#). Plugins for [RailwayJS](#) and

## Install

```
npm install -g roots
```

## Usage

```
$ roots new project-name
```

```
$ roots watch
```

```
$ roots compile
```

コマンドをいくつか打てば、すぐサイト制作が始められる

この辺、口頭ではわかりにくいので、後ほどデモしましょう

最近、Webサイトは「見るもの」から「使うもの」へ



“SPA (Single-Page Application) ” なものも増えてきた



# Brunch

A lightweight approach to building HTML5 applications with an emphasis on elegance and simplicity.

## Application assembler

- Getting started
- Plugins (list)
- Skeletons (list)
- Testing
- Deploying
- Documentation
- Compare table

## Examples

- Ostio
- Todos
- Hackerank


# Brunch


<http://brunch.io/>

- ChainCal
- Uber

## Community

- Commercial support

 Star 2,064

 Follow @brunch 771

## Application assembler

Brunch is an assembler for HTML5 applications. It's agnostic to frameworks, libraries, programming, stylesheet & templating languages and backend technology.

To simplify app development, brunch watches your files for changes and automatically wraps your scripts and templates in common.js modules. All build errors are printed to console. If you have OS X 10.8+ (with [terminal-notifier](#)) / growl / libnotify, brunch will use them too. See [compare table](#) for detailed feature list.

Installation is one-line. You'll need node.js 0.6.10+. Execute in console:

```
npm install -g brunch
```

## Getting started

To create a new project, execute `brunch new <project name>`.

# Skeletons

[Page History](#)

Skeleton is an application template that you can initialize with `brunch new <app> --skeleton <address>` . `<address>` can be git or GitHub URL, like `https://github.com/paulmillr/brunch-with-chaplin` .

Feel free to add your own skeletons here (new skels should be placed at the bottom of appropriate framework category). Preferably skeletons should have their own name (brunch with eggs and bacon, brunch with hipsters etc.) instead of list of used technologies.

★ Constantly updated skeletons will be starred by brunch team.

Title	Framework	Languages	Description & additions
<b>Backbone.js-based</b>			
★ <a href="#">Brunch with Chaplin</a>	Backbone, <a href="#">Chaplin</a>	CoffeeScript, Stylus, Handlebars	HTML5 Boilerplate, jQuery. Perfect for big applications
<a href="#">Brunch with Chaplin and Initializr</a>	Backbone, Chaplin	CoffeeScript, Stylus, LESS, Handlebars	HTML5 Boilerplate, Bootstrap, jQuery, Modernizr — includes individual bootstrap style files and javascript plugins so you can omit or modify them
<a href="#">Brunch with Chaplin and Bootstrap</a>	Backbone, Chaplin	CoffeeScript, Stylus, Handlebars	HTML5 Boilerplate, Bootstrap, jQuery
★ <a href="#">Brunch with Chaplin and Initializr</a>	Backbone, Chaplin	CoffeeScript, Stylus, Handlebars	Swag, Modernizr, Lodash, Backbone-Mediator, Font Awesome, Brunch Auto-Reload, HTML5 Boilerplate
<a href="#">Brunch with eggs and bacon</a>	Backbone	JavaScript, Sass, LESS, Handlebars	Twitter Bootstrap, Mediator

## Brunch Skeltons

<https://github.com/brunch/brunch/wiki/Skeletons>

# YEOMAN

## MODERN WORKFLOWS FOR MODERN WEBAPPS

**Yeoman** is a robust and opinionated set of tools, libraries, and a workflow that can help developers quickly build beautiful, compelling web apps.

### MY FEATURES

- ★ **Lightning-fast scaffolding** — Easily scaffold new projects with customizable templates (e.g HTML5 Boilerplate, Twitter Bootstrap), AMD (via RequireJS) and more.
- ↻ **Automatically compile CoffeeScript & Compass** — Our LiveReload watch process automatically compiles source files and refreshes your browser whenever a change is made so you don't have to.
- ⚙ **Automatically lint your scripts** — All your scripts are automatically run against jshint to ensure they're following language best-practices.
- 🌐 **Built-in preview server** — No more having to fire up your own HTTP Server. My built-in one can be fired with just one command.
- 🖼 **Awesome Image Optimization** — I optimize all your images using OptiPNG and JPEGTran so your users can spend less time downloading assets and more time using your app.
- ⚡ **AppCache manifest generation** — I generate your application cache manifests for you. Just build a project and boom. You'll get it for free.
- 📦 **Killer build process** — Not only do you get minification and concatenation; I also optimize all your image files, HTML, compile your CoffeeScript and Compass files, generate you an application cache manifest and, if you're using AMD, we'll pass those modules through r.js so you don't have to.
- 📦 **Integrated package management** — Need a dependency? It's just a keystroke away. I allow you to easily

**YEOMAN**  
<http://yeoman.io/>

これらも当然のようにCSSプリプロセッサが使われています

では、最後にいくつかのツールをデモしてみましよう

いかがでしたか？

基本となるWebサイトの枠組み作りから公開まで一気に



コマンドをちょっと入力するだけのお手軽さ

そんなWebサイト制作の新しい流れがきています

もう「黒い画面・・・、ギャー」とか怖がらない方がいい

2、3個コマンド覚えて、それを打つだけなんですから

まずは、CSSプリプロセッサから慣れはじめると良いですね

そして、次世代のWeb制作の流れに乗りましょう

# 本日のまとめ

- 自分の環境にあったツールを使ってみましょう
- 最新のツールは、コマンドラインから始まります
- Web制作の流れは、どんどん効率化されています
- CSSプリプロセッサは、大概使うので覚えましょう

本日はありがとうございました