



Sass







CSS needs an upgrade
Appeared so did CSS3.
But CSS3 is not enough...



Sass

Install Learn Sass Blog Documentation Get Involved

CSS with superpowers



Sass is the most mature, stable, and powerful professional grade CSS extension language in the world.

Current Release: Maptastic Maple (3.3.7) Release Notes Fork on GitHub

CSS COMPATIBLE Sass is completely compatible with all versions of CSS. We take this compatibility seriously, so that you can seamlessly use any available CSS libraries.	FEATURE RICH Sass boasts more features and abilities than any other CSS-extension language out there. The Sass Core Team has worked endlessly to not only keep up, but stay ahead.	MATURE Sass has been actively supported for over 7 years by its loving Core Team.
INDUSTRY APPROVED Over and over again, the industry is choosing Sass as the premier CSS extension language.	LARGE COMMUNITY Sass is actively supported and developed by a consortium of several tech companies and hundreds of developers.	FRAMEWORKS There are endless number of frameworks built with Sass. <i>Compass</i> , <i>Bourbon</i> , and <i>Susy</i> just to name a few.

Sass © 2006–2014 Hampton Catlin, Nathan Weizenbaum, Chris Eppstein, and numerous contributors.
It is available for use and modification under the MIT License.

[Sass Repo](#) [Website Repo](#) [Style Guide](#) [Follow @SassCSS](#)



Sass는 CSS 확장 언어!

SASS는 CSS3를 보다 멋지게 활용할 수 있도록 도와주는 강력한 도구에요. 중첩/변수/믹스인/선택자 상속 등 막강한 기능을 자랑하죠!

더 이상 힘든 CSS 노가다 코딩은 이제 그만!



Sass는 Pre Processor?

웹 브라우저는 프로세서(Processor)로서 웹 데이터(HTML, CSS, JS 등)를 다운로드 받아 해석하여 화면에 해석된 데이터를 랜더링됩니다.

Sass, LESS 등 ‘CSS 확장 언어’를 활용할 경우, 웹 브라우저에서 해석되기 전에 CSS로 변경되는 과정이 필요합니다. 이를 ‘브라우저에서 해석되기 전에 프로세싱한다’고 해서 프리프로세싱(Pre-Processing)한다고 부릅니다.

HTML, CSS, JS, Images를 주세요~!

웹 브라우저는
프로세서!



난! 프리 프로세서!





Ruby
A PROGRAMMER'S BEST FRIEND

Downloads Documentation Libraries Community News Security About Ruby

Ruby is...

A dynamic, open source programming language with a focus on simplicity and productivity. It has an elegant syntax that is natural to read and easy to write.

[Download Ruby](#) or [Read More...](#)

Ruby knows what you # mean, even if you # want to do math on # an entire Array cities = %w[London Oslo Paris Amsterdam Berlin] visited = %w[Berlin Oslo] puts "I still need " + "to visit the " + "following cities:", cities - visited

Google Summer of Code 2015

Ruby will be participating in the [Google Summer of Code 2015](#) as a top-level organization. We will be acting as an umbrella for Ruby-related projects including [Ruby](#), [JRuby](#), [Celluloid](#) and [others](#). Student applications can be submitted starting March 16 and the deadline is March 27 (here's the [timeline](#)).

[Continue Reading...](#)

Posted by Federico Bulles on 6 Mar 2015

Get Started, it's easy!

[Try Ruby! \(in your browser\)](#)
[Ruby in Twenty Minutes](#)
[Ruby from Other Languages](#)

Explore a new world...

Ruby가 필요해요!

SASS를 사용하려면 Ruby가 설치되어 있어야 합니다. OSX는 기본적 설치가 되어 있는 반면, Windows는 별도의 설치 과정이 필요합니다.

요컨대 Windows 사용자는 Ruby를 설치!!

Downloads x rubyinstaller.org/downloads/ [Star] [More]

 **RubyInstaller**
for Windows

About **Download** **Help** **Contribute**

Downloads

RubyInstallers

Not sure what version to download? See our [version recommendations](#).

-  [Ruby 2.0.0-p481](#)
-  [Ruby 2.0.0-p481 \(x64\)](#)
-  [Ruby 1.9.3-p545](#)
-  [Ruby 1.8.7-p374](#)

Other Useful Downloads

7-ZIP ARCHIVES

-  [Ruby 2.0.0-p481](#)
-  [Ruby 2.0.0-p481 \(x64\)](#)
-  [Ruby 1.9.3-p545](#)
-  [Ruby 1.8.7-p374](#)

RUBY CORE & STANDARD LIBRARY DOCUMENTATION

-  [Ruby 2.0.0-p481 documentation \(CHM format\)](#)
-  [Ruby 1.9.3-p545 documentation \(CHM format\)](#)
-  [Ruby 1.8.7-p374 documentation \(CHM format\)](#)

DEVELOPMENT KIT

For use with Ruby 1.8.7 and 1.9.3:

Setup - Ruby 2.0.0-p481-x64

Installation Destination and Optional Tasks

Setup will install Ruby 2.0.0-p481-x64 into the following folder. Click Install to continue or click Browse to use a different one.

Please avoid any folder name that contains spaces (e.g. Program Files).

C:\Ruby200-x64

Install Tcl/Tk support
 Add Ruby executables to your PATH
 Associate .rb and .ru files with this Ruby installation

TIP: Mouse over the above checkboxes for more information.

Select to enable running your Ruby scripts by double clicking them or simply typing the script name at your shell prompt. This may affect existing Ruby installations.

Required free disk space: ~45.5 MB

< Back Cancel

WHICH DEVELOPMENT KIT?

Down this page, several and different versions of Development Kits (DevKit) are listed. Please download the right one for your version of Ruby:

- Ruby 1.8.6 to 1.9.3: tdm-32-4.5.2
- Ruby 2.0.0: mingw64-32-4.7.2
- Ruby 2.0.0 x64 (64bits): mingw64-64-4.7.2

DOWNLOAD ISSUES?

Depending on your location, sometimes the downloads will not work. This is due to RubyForge provided mirrors. Until we completely move our releases

     A



ruby --version, ruby -v

명령어 인터페이스 도구를 구동한 후, 명령어를 입력하면
설치된 루비 버전 정보를 볼 수 있습니다.

```
Hoon-ui-MacBook-Pro:~ yamoo9$ ruby -v
ruby 1.8.7 (2012-02-08 patchlevel 358) [universal-darwin12.0]
Hoon-ui-MacBook-Pro:~ yamoo9$
```



Upgrade Ruby

OSX 사용자를 위한

OSX에서 Ruby를 최신 버전으로 업그레이드하려면 Xcode & Homebrew를 먼저 설치한 후, brew 명령어를 통해 최신 버전의 ruby를 설치합니다. 설치가 마무리되면 shell 경로에 아래 코드를 추가하고 저장/다시 실행하면 최신 버전의 Ruby를 사용할 수 있습니다. (<http://coolestguidesontheplanet.com/upgrading-ruby-osx/>)

```
export PATH="/usr/local/opt/ruby/bin:$PATH"
```

Upgrading to Ruby 2 on OSX 10.8 Mountain Lion

September 29, 2013 — 2 Comments

An older version of Ruby ships with OSX by default, the version is 1.8.7 which is now officially retired by its developers.



To upgrade to the latest stable version of Ruby, you going to need **Xcode** and **Homebrew** installed first, Xcode does the heavy lifting for compiling programs and Homebrew works as the package manager making sure any apps it installs plays nicely with the existing operating system

Get Xcode and Homebrew cooking

Install Ruby

```
brew install ruby
```

Add latest Ruby to the shell path

With 2 versions of Ruby now installed you need to prioritise the latest one [in your shell path](#), in either `~/.bash_profile` or `~/.bashrc` add in

```
/usr/local/opt/ruby/bin
```

Do the path line looks something like this

```
export PATH="/usr/local/opt/ruby/bin:$PATH"
```

Reload the shell

```
source ~/.bash_profile
```

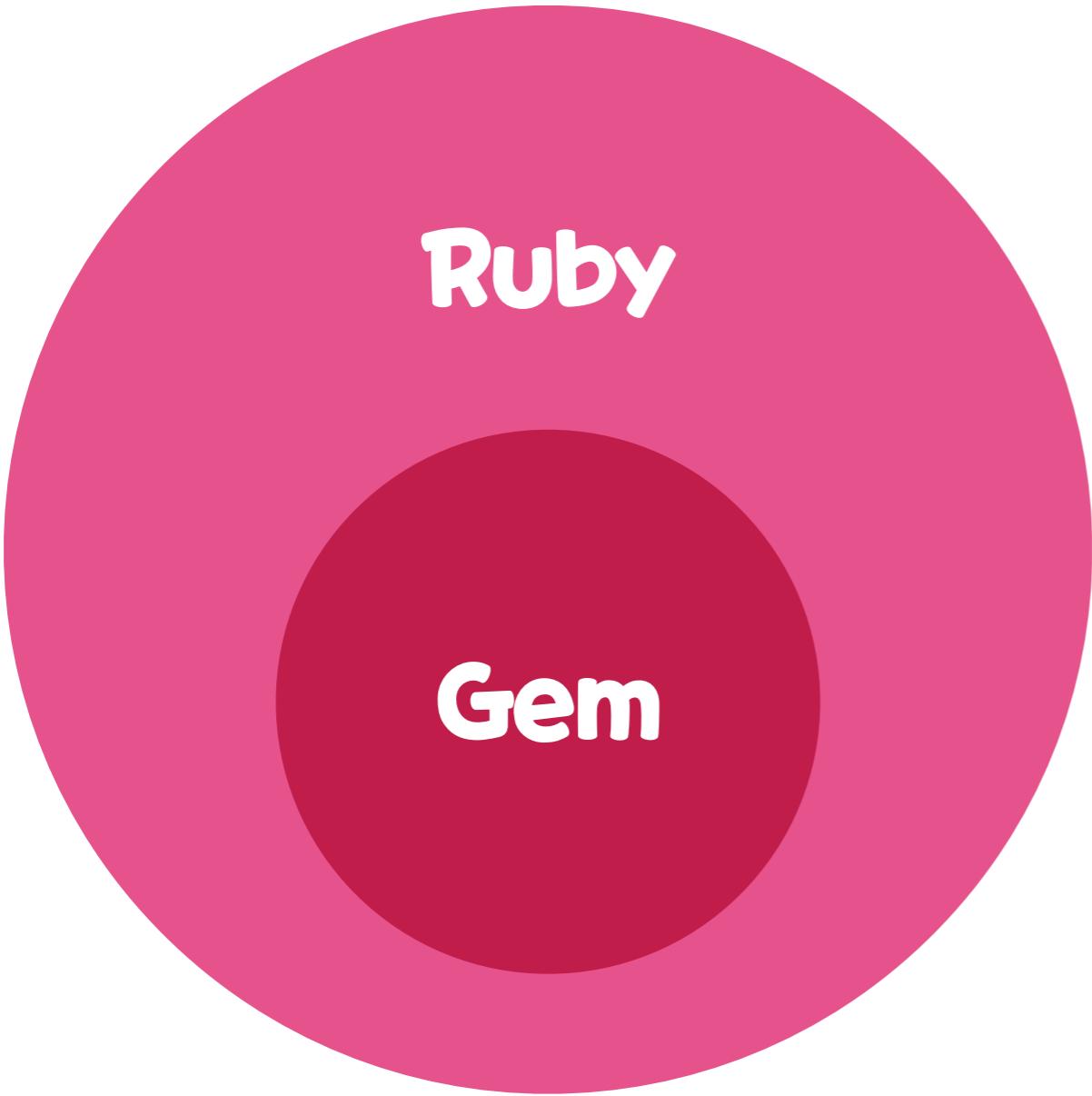
Check Ruby

```
ruby --version
ruby 2.0.0p247 (2013-06-27 revision 41674) [x86_64-darwin12.4.0]
```

To update Ruby, just run:

```
gem update --system
```

That's it, the latest version is now installed whilst the older version is still on the OS the path points to the newer version and any gems will need to be reinstalled.



Ruby Gem 을 이용해 SASS를 설치합니다.

`gem install` 명령어를 사용해 SASS 파일을 운영체제에 설치할 수 있습니다.





gem install sass

gem install sass를 입력하면 Sass 가 설치되는데 만약 오류 메시지가 뜬다면
sudo 를 입력한 후, **gem install sass** 를 입력하여 설치합니다. (OSX 사용자의 경우)

```
Hoon-ui-MacBook-Pro:~ yamoo9$ sudo gem install sass
Successfully installed sass-3.2.1
1 gem installed
Installing ri documentation for sass-3.2.1...
Installing RDoc documentation for sass-3.2.1...
Hoon-ui-MacBook-Pro:~ yamoo9$
```



sass --version, sass -v

sass --version을 입력하면 설치된 Sass 버전 정보를 확인할 수 있습니다.

A screenshot of a Mac OS X terminal window titled "yamoo9 — bash — 80x24". The window shows the command "sass --version" being run and its output. The output indicates that Sass 3.2.1 (Media Mark) is installed.

```
Hoon-ui-MacBook-Pro:~ yamoo9$ sass --version
Sass 3.2.1 (Media Mark)
Hoon-ui-MacBook-Pro:~ yamoo9$
```



Preprocessing



SASS 프리프로세싱 방법을 공부해볼까요?

브라우저에서 바로 해석될 수 없는 SASS 파일은 사전에 CSS 파일로 변경하는 프리프로세싱 과정을 거쳐야 합니다.



sass --help, sass -h

sass --help를 입력하면 Sass 명령어 도움말 정보를 확인할 수 있습니다.

```
Hoon-ui-MacBook-Pro:~ yamoo9$ sass --help
Usage: sass [options] [INPUT] [OUTPUT]

Description:
  Converts SCSS or Sass files to CSS.

Options:
  -s, --stdin
  n input file
  --trace
  --unix-newlines
  --scss
  --watch
```



sass [options] [input] [output]

sass input.sass output.css를 입력하면 Sass 파일을 CSS 파일로 변환합니다.

업데이트 할 때는 sass --update input.sass output.css를 입력 실행합니다.

```
Hoon-ui-MacBook-Pro:~ yamoo9$ sass --help
Usage: sass [options] [INPUT] [OUTPUT]

Description:
  Converts SCSS or Sass files to CSS.

Options:
  -s, --stdin
  n input file
  --trace
  --unix-newlines
  --scss
  --watch
```

Read input from standard input instead of a
n input file

Show a full traceback on error

Use Unix-style newlines in written files.

Use the CSS-superset SCSS syntax.

Watch files or directories for changes



sass --watch [input]:[output]

sass --watch sass:css를 입력하면 Sass 폴더 내부의 파일을 CSS 폴더 내부에 변환/저장합니다.
관찰(Watch)을 중지하려면 **Ctrl+C** 키를 누릅니다.

```
Last login: Wed Oct 31 06:56:21 on ttys000
Hoon-ui-MacBook-Pro:~ yamoo9$ cd Sites/TEST/
Hoon-ui-MacBook-Pro:TEST yamoo9$ ls **
parallax.html

css:
style.css

sass:
style.sass
Hoon-ui-MacBook-Pro:TEST yamoo9$ sass --watch sass:css
>>> Sass is watching for changes. Press Ctrl-C to stop.
everynite.css/style.css
```



watch Directory

sass --watch [input]:[output]

watch File

sass --watch [input.sass]:[output.css]



Syntax

*.SCSS

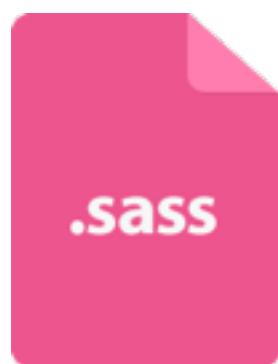
*.SASS

**SASS 를 작성하는
방법은 2가지입니다.**

CSS와 유사한 모습을 띤 SCSS 문법과 간결한 문법 형태를 띠는 SASS 문법 중 선택하여 작성 가능합니다.



SASS 문법은 2가지!



#sass .syntax

```
background-color: #3cdefd  
margin-top: 12px  
padding-bottom: 20px / 5
```

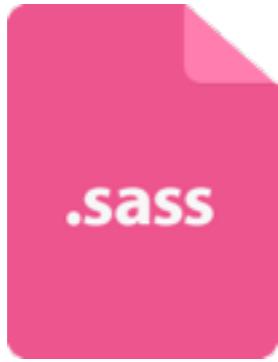


#scss .syntax {

```
background-color: #3cdefd;  
margin-top: 12px;  
padding-bottom: 20px / 5;  
}
```

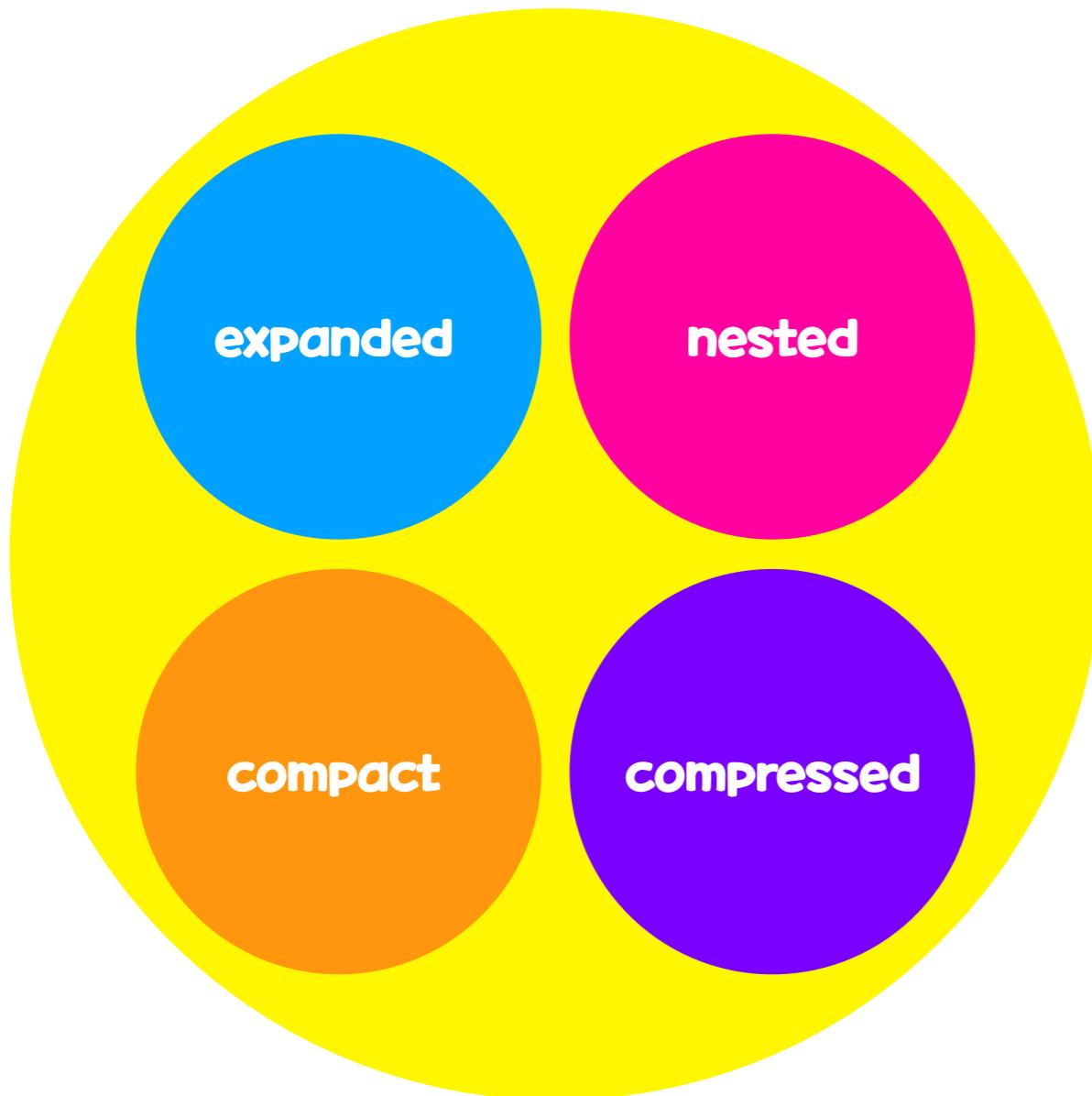
SASS 문법은
CSS 문법에서 반복 사용되는 {}, ; 등을
사용하지 않는 대신 들여쓰기가 매우
중요합니다.

SCSS 문법은
CSS 문법과 유사해서
다수 사용자가 선호합니다.



**Sass is more strict and clean,
Scss is easier for beginners.**





SASS → CSS 코드를 출력하는 4가지 스타일!

SASS로 작성된 코드를 CSS로 내보내는 Output 스타일을 옵션으로 설정할 수 있습니다.



SASS → CSS 아웃풋 스타일 설정!

sass --style compressed input.sass output.css

sass -t compressed input.sass output.css

:nested
:expanded
:compact
:compressed



SASS → CSS 아웃풋 스타일 ~ “감싼” *:nested*

```
#main {  
  color: #fff;  
  background-color: #000; }  
#main p {  
  width: 10em; }  
.huge {  
  font-size: 10em;  
  font-weight: bold; }
```



SASS → CSS 아웃풋 스타일 ~ “펼친” :expanded

```
#main {  
  color: #fff;  
  background-color: #000;  
}  
  
#main p {  
  width: 10em;  
}  
  
.huge {  
  font-size: 10em;  
  font-weight: bold;  
}
```

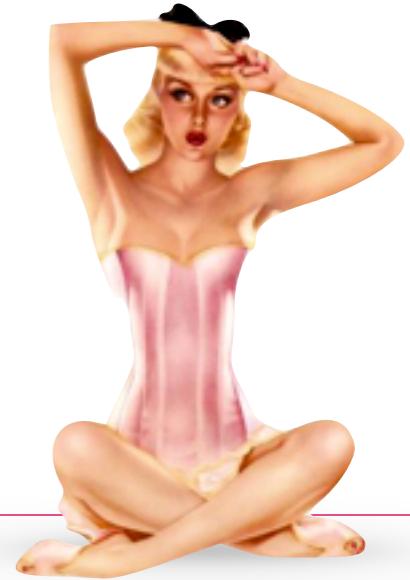


SASS → CSS 아웃풋 스타일 ~ “촘촘” :compact

```
#main {color: #fff; background-color: #000;}
```

```
#main p {width: 10em;}
```

```
.huge {font-size: 10em; font-weight: bold;}
```



SASS → CSS 아웃풋 스타일 ~ “압축” :compressed

```
#main{color:#fff;background-color:#000;}#main  
p{width:10em;}.huge{font-size:10em;font-weight:bold;}
```



SASS
SASS Build
SublimeOnSaveBuild

Sublime Text에서 SASS 빌드 하기

CLI 도구 없이도 Sublime Text를 활용하면
Sass 프리프로세싱을 처리할 수 있습니다.

File Edit Selection Find View Goto Tools Project Preferences Help

GROUP 1

```
demo.sass
1 $text-color: #151229
2 $bg-color: #eeeeff0
3 $global-margin: 1em
4
5 .ovh
6   overflow: hidden
7
8 body
9   color: $text-color
10  background-color: $bg-color
11
12 #page
13  margin: $global-margin*0.2 $global-margin*.1
14  padding: $global-margin*.1
15
16 #footer
17  @extend .ovh
18
```

GROUP 2

demo.css

FOLDERS

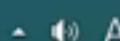
SASS-EX

.sass-cache

demo.css

demo.sass

```
demo.css
1 .ovh, #footer { overflow: hidden; }
2
3 body { color: #151229; background-color: #eeeeff0; }
4
5 #page { margin: 0.2em 0.1em; padding: 0.1em; }
6
```





Sass 문법모드(Syntax Mode) 설정

sublime.wbond.net/packages/Sass

Sass Build SASS → CSS 빌드 도구

sublime.wbond.net/packages/SASS%20Build

SublimeOnSaveBuild 저장할 때, 빌드도 동시에 처리!

sublime.wbond.net/packages/SublimeOnSaveBuild



SASS 파일 | Ruby Haml 기본 문법모드 설정 문제 해결책!

SASS 파일, 문법모드 sass로 고정

XML

- ▶ Backup
- ▶ Installed Packages
- ▶ **Packages**
- ▶ Pristine Packages
- ▶ Settings
- ▶ Markdown
- ▶ Matlab
- ▶ Nettuts+ Fetch
- ▶ Objective-C
- ▶ OCaml
- ▶ Package Control
- ▶ Perl
- ▶ PHP
- ▶ Prefixr
- ▶ Python
- ▶ PyV8
- ▶ R
- ▶ **Rails**
- ▶ Regular Expressions
- ▶ RestructuredText
- ▶ render-...e-snippet
- ▶ render-...e-snippet
- ▶ render-...e-snippet
- ▶ render-(t...-snippet
- ▶ respond_...-snippet
- ▶ returnin...e-snippet
- ▶ Ruby Ha...ferences
- ▶ Ruby Ha...ces.cache
- ▶ **Ruby Ha...Language**
- ▶ Ruby Ha...age.cache

Packages/Rails/Ruby Haml.tmLanguage



SASS 파일 | Ruby Haml 기본 문법모드 설정 문제 해결책!

SASS 파일, 문법모드 sass로 고정

```
<dict>
  <key>fileTypes</key>
  <array>
    <string>haml</string>
    <string>sass</string>
  </array>
```

라인을 지웁니다.

C:\Users\yamoo9\Desktop\Project\SASS-EX\demo.css (SASS-EX) - Sublime Text

File Edit Selection Find View Goto Tools Project Preferences Help

GROUP 1

demo.sass

1 \$text-color: #151229
2 \$bg-color: #eeeef0
3 \$global-margin: 10px
4
5 .ovh
6 overflow: hidden
7
8 .ovv
9 overflow: visible
10
11 .none
12 display: none
13
14 body
15 color: \$text-color
16 background-color: \$bg-color
17
18 #page
19 margin: \$global-margin
20 padding: \$global-margin
21
22 #footer
23 @extend .none
24

GROUP 2

demo.css

FOLDERS

SASS-EX
.sass-cache
demo.css
demo.sass
test.sass

Packages

파일 루트 공유 보기

이름 수정한 날짜 유형

다운로드 ConvertToUTF8 2014-04-29 오전... 파일 폴더
바탕 화면 IMESupport 2014-05-10 오전... 파일 폴더
OSX 바탕화면 PyV8 2014-05-14 오후... 파일 폴더
OSX 다운로드 User 2014-05-19 오후... 파일 폴더
최근 위치 iCloud (Mac)

OneDrive

내 PC

Public (local)
다운로드
동영상

4개 항목

ASCII, Line 8, Column 19

Tab Size: 2

CSS



Convert Type

SASS



SCSS

**SASS ↔ SCSS
파일 간 변환!**

필요에 따라 SCSS ↔ SASS 파일간
포멧 변경이 가능합니다.



SASS Convert 명령어

```
// sass-convert [input] [output]
sass-convert style.scss style.sass
sass-convert style.sass style.scss
```



Sass to SCSS converter

sasstoscss.com

```
$blue: #3bbfce  
$margin: 16px  
  
.content-navigation  
border-color: $blue  
color: darken($blue, 9%)  
  
.border  
padding: $margin / 2  
margin: $margin / 2  
border-color: $blue
```

SASS ↔ SCSS

```
$blue: #3bbfce;  
$margin: 16px;  
  
.content-navigation {  
border-color: $blue;  
color: darken($blue, 9%);  
}  
  
.border {  
padding: $margin / 2;  
margin: $margin / 2;  
border-color: $blue;
```

SASS ↔ SCSS
파일 변환 온라인 도구!

<http://www.sasstoscss.com>



CSS 2 SASS/SCSS CONVERTER

Version 3.4.9 (Selective Steve)

idea & backend: Jose Pablo Barrantes / design & frontend: Hayk

CSS

CSS (paste your CSS code and convert!)

```
#page { color: tan }
#page header h1 { position: absolute; top: 10px; }
```

SASS / SCSS

Your Syntactically Awesome StyleSheets code

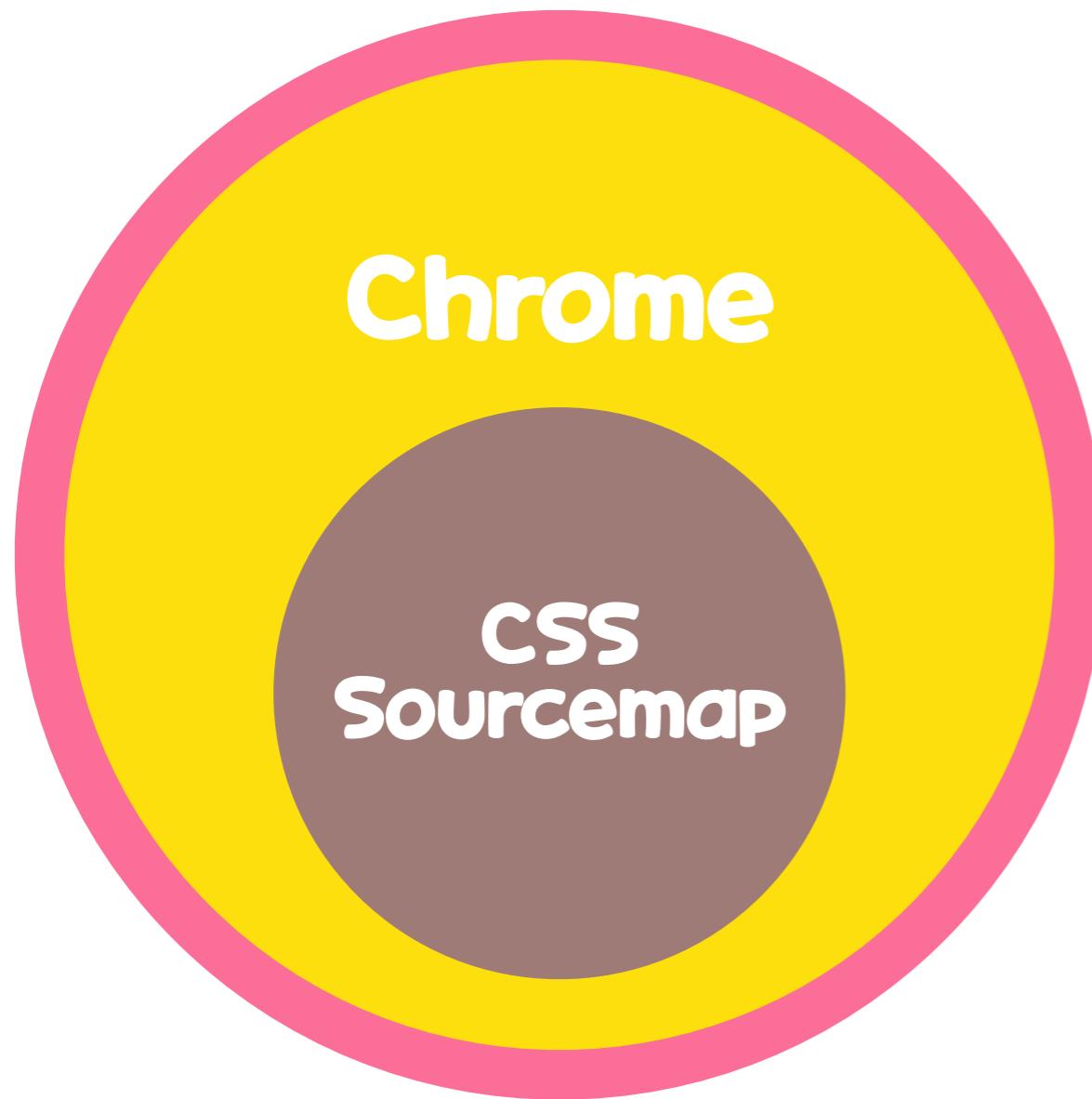
```
#page
  color: tan
  header h1
    position: absolute
    top: 10px
```

SASS

SCSS

**CSS ⇔ SASS/SCSS
파일 변환 온라인 도구!**

<http://css2sass.herokuapp.com>



CSS 소스맵(Sourcemap)을 활용한 SASS 코드 에디팅

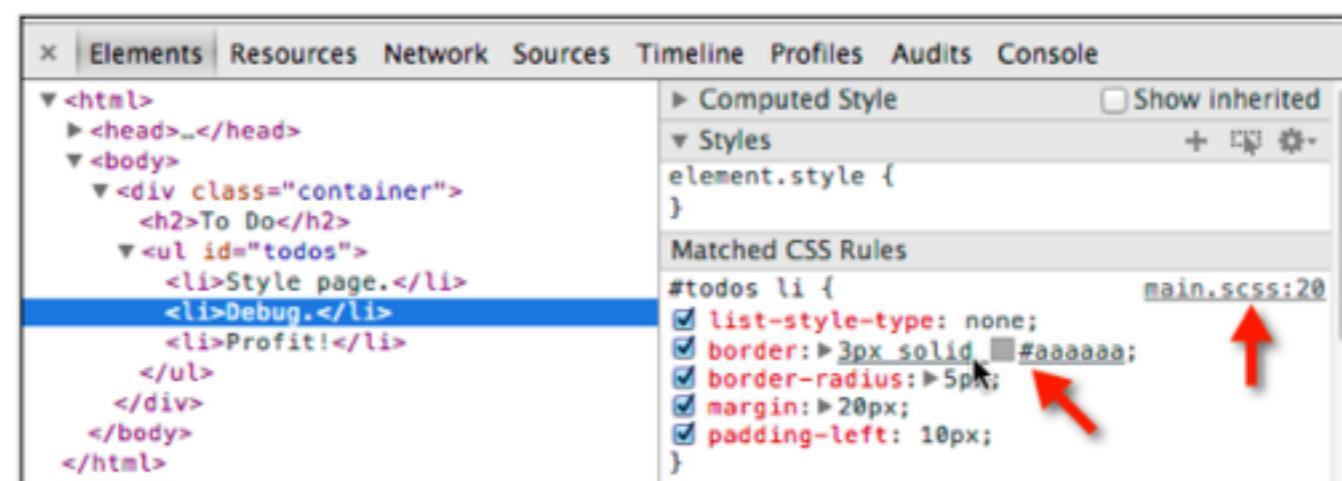
크롬 웹 브라우저에서는 CSS Sourcemap을 통해 CSS로 컴파일 되는 직접적인 SASS 파일을 검토할 수 있습니다.

Chrome & CSS Sourcemap

Working with CSS Preprocessors

Many developers generate CSS style sheets using a CSS preprocessor, such as Sass, Less, or Stylus. Because the CSS files are generated, editing the CSS files directly is not as helpful.

For preprocessors that support CSS source maps, DevTools lets you live-edit your preprocessor source files in the Sources panel, and view the results without having to leave DevTools or refresh the page. When you inspect an element whose styles are provided by a generated CSS file, the Elements panel displays a link to the original source file, not the generated .css file.



Enabling

Settings General

General

Disable cache (while DevTools is open)

Workspace

Disable JavaScript

Experiments

Appearance

Shortcuts

Split panels vertically when docked to right

Enable Cmd + 1–9 shortcut to switch panels

Elements

Sources

Search in content scripts

Enable JavaScript source maps

Enable CSS source maps

Auto-reload generated CSS

Default indentation

4 spaces 

Settings Experiments

General

WARNING: These experiments could be dangerous and may require restart.

Workspace

FileSystem inspection

Experiments

Canvas inspection

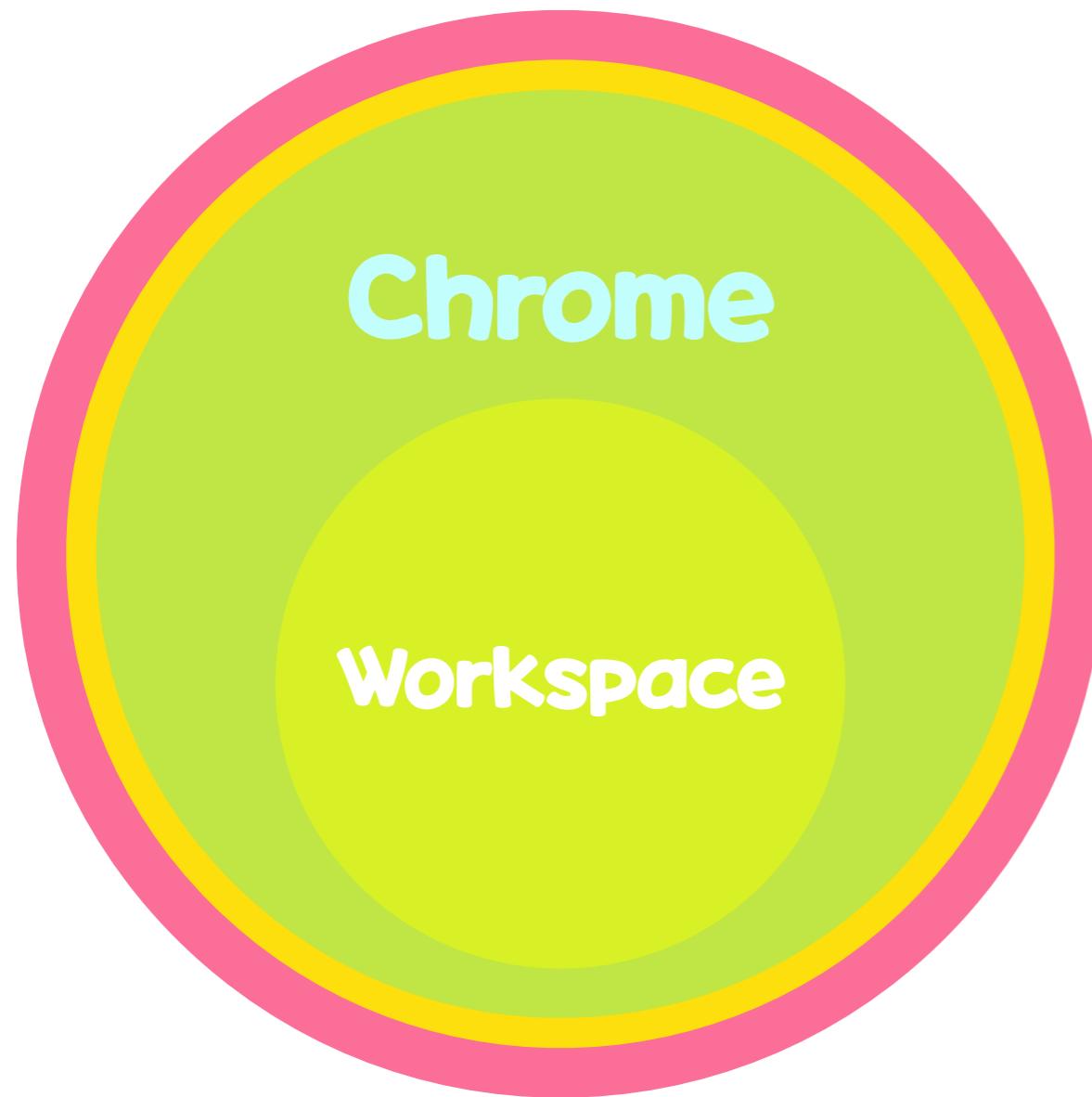
Enable frameworks debugging support

SASS → CSS Sourcemap

sass [input] [output] --sourcemap=auto

```
<!DOCTYPE html>
▼<html lang="ko-KR">
  ▶<head>...</head>
  ▼<body>
    <h1>heading 1</h1>
  </body>
</html>
```

Styles	Computed	Event Listeners	»
element.style { }	+		
h1 { color: #ADD8E6; font-size: 14px; font-weight: normal; text-transform: uppercase; } }			style.sass:4



워크스페이스(Workspace) 연결로 실시간 에디팅

크롬 웹 브라우저에서는 워크스페이스 설정을 통해 SASS 코드를 편집한 내용을 실시간으로 반영/저장할 수 있습니다.



Workspaces - Persistent authoring in the DevTools

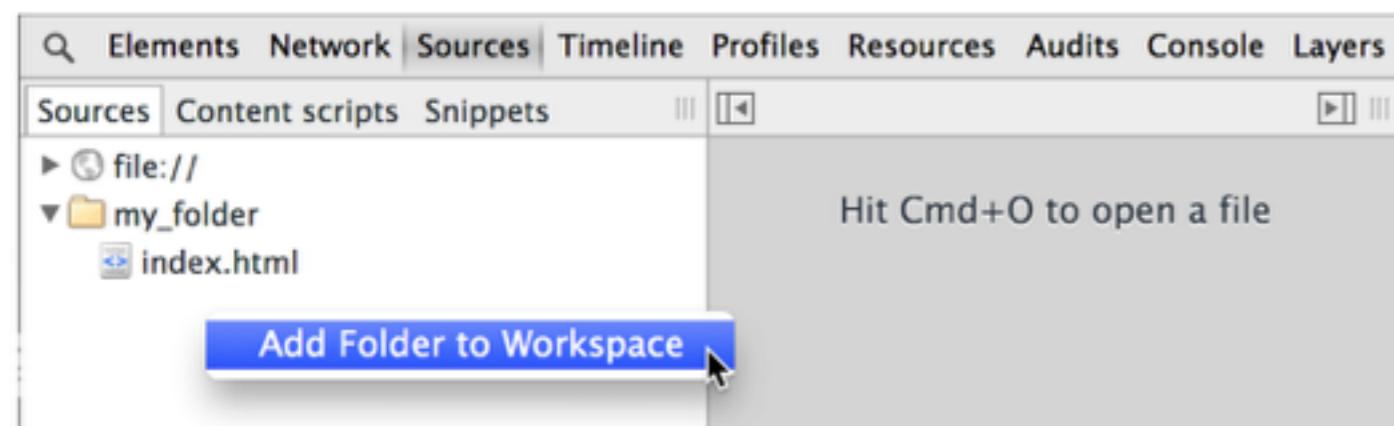
Introduction

Chrome DevTools lets you make changes to elements of the webpage or the CSS and see your changes immediately. But what good is that to your authoring workflow if you have to copy-and-paste the changes to an external editor all the time? Workspaces helps you make those changes persist to disk without having to leave the Chrome DevTools to do so.

With Workspaces, you can edit any type of source file from within the Sources panel and save your changes to disk. And you can map resources served from a local web server to files on disk, so when you change and save those files, you can view them as if they were being served. And if you have the right mapping set up, Style changes on the Elements panel persist to disk automatically.

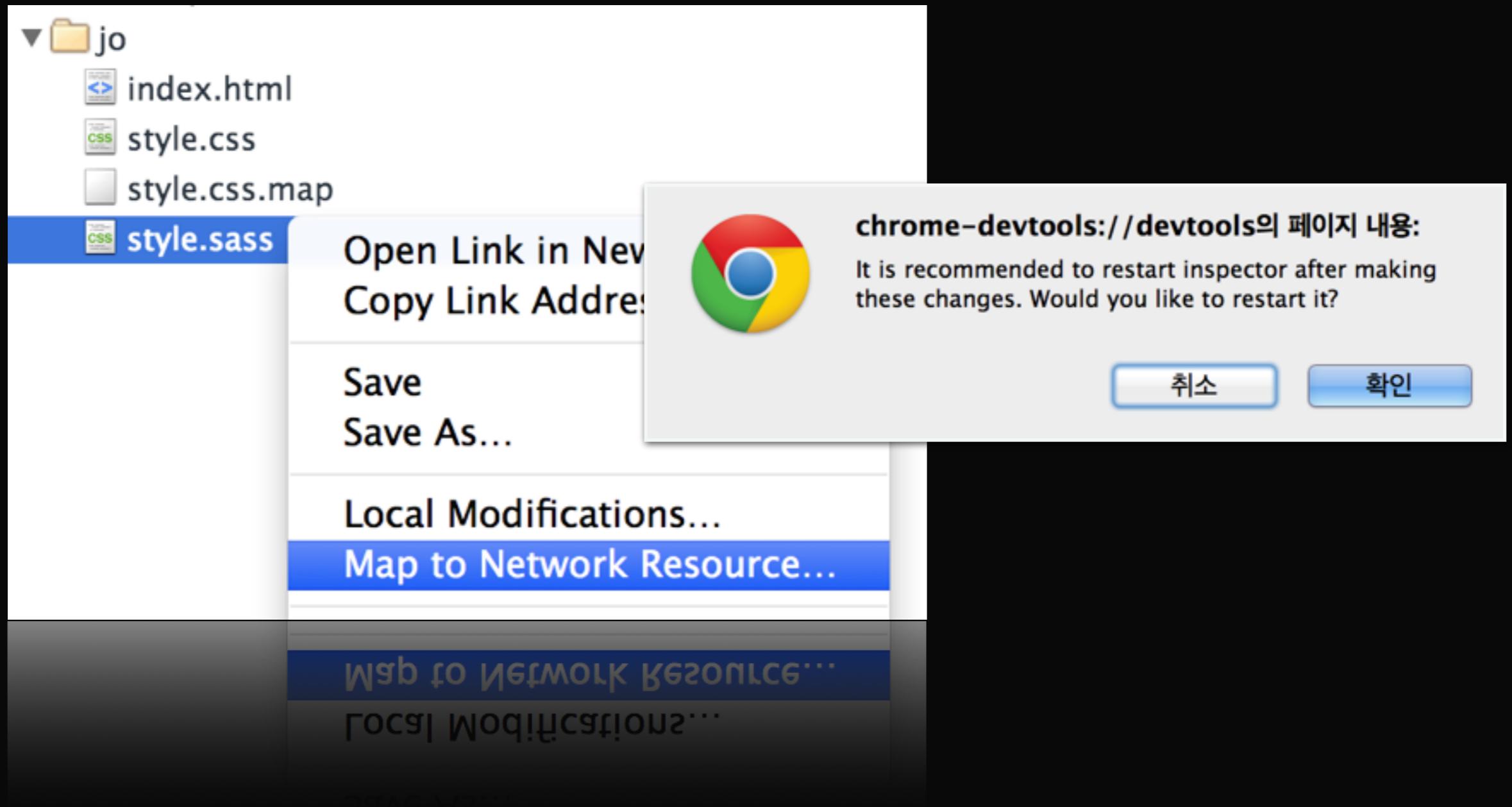
Bringing Your Project Into Workspaces

To make a local folder's source files editable in the Sources panel, right-click in the left panel of Sources and select **Add Folder to Workspace**. This launches you into a file dialog where you can choose a new folder to add to your Workspaces. (It does not add the currently highlighted folder to your Workspaces.)



Chrome & Workspace

Create a file mapping





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Applications

CodeKit

Compass

Prepros

Sass, GUI 도구 모음

명령어 기반의 환경이 다소 어색하다면?
그래픽 기반의 환경에서 SASS를 변경
활용할 수도 있습니다.



Sass GUI Applications

그래픽 유저 인터페이스 기반의 애플리케이션을 활용하면 매우 손쉽게 SASS를 활용할 수 있습니다. (Paid 표기된 애플리케이션은 유료입니다)

CodeKit (Paid)

Compass.app (Paid, Open Source)

Hammer (Paid)

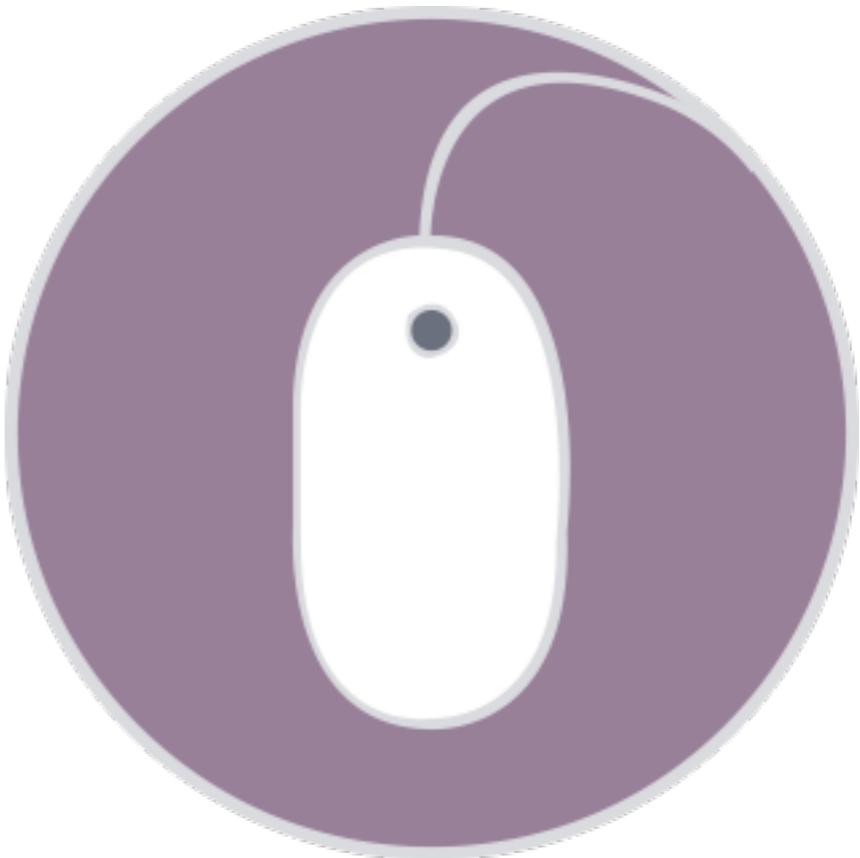
Koala (Open Source)

LiveReload (Paid, Open Source)

Mixture (Paid)

Prepros (Paid, Open Source)

Scout (Open Source)





The screenshot shows the CodeKit website with the following details:

- Header:** CodeKit: THE Mac App For... (in a browser), Incident57.com/codkit/index.html
- Main Logo:** <CODEKIT> A Mac App for Cool People
- Text:** It's like steroids for web developers
- Text:** CodeKit helps you build websites faster and better. See its flagship features below, then get a real feel for the app on the [Videos](#) page.
- Buttons:** Buy Now (\$29) and Download Trial
- Version Info:** Version 2.0.5 (1980) Mac OS 10.8+
The trial includes all features and unlocks in place.
- CodeKit Install Components Window:**
 - Components tab: Shows a list of installed components including bootstrap-ngResponsive, math-format, relativeto, streamhub-adk, aviator, scrollup, waterline-criteria, leonagrid, tripl, slideshowbot, photobox, pd-html-snippets, angular-nestful, craft, headjs-notify, and macgyver-core.
 - Favorites tab: Shows a list of favorite components.
 - Installed tab: Shows a list of installed components.
- Features:**
 - Compile Everything:** Less, Sass, Stylus, CoffeeScript, Typescript, Jade, Haml, Slim, MakoDawn & Javascript.
 - Auto-Refresh Browsers:** Refresh browsers across devices: Mac, PC, iOS, Android & kitchen fridge. Never hit command+R again.
 - Bower Built-In:** Install 6,000+ components with a single click: Bootstrap, jQuery, Modernizr, Zurb Foundation, even WordPress.

CodeKit Only OSX

OSX 전용 애플리케이션으로 Sass를 포함한 대부분의 컴파일을 지원하는 강력한 도구입니다. (유료)





compass.kkbox.com

Use Sass / Compass In easily

Documentation FAQ Issues

compass.app

\$10 Buy Now

30% of sales donated to [UMDF](#)

Disc 653 Twitter 10 Follow @compass_app 102 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.

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.

Features Recommendation

Compass.app

Windows, OSX, Linux 운영체제 환경을 모두 지원하는 자바 기반의 애플리케이션으로 Sass를 포함한 대부분의 컴파일을 지원하는 도구입니다. (유료)





휴지통



Project



compass.a...



compass.app

windows.v1.

27



A



Koala is a GUI application for Less, SASS, Compass and CoffeeScript compilation, to help web developers to use them more efficiently. Koala can run in windows, linux and mac.

Download
Version 2.0.2, 2014-01-24

Other system versions
Windows 439
Mac OS X 439
Linux: 32bit / 64bit 714
Ubuntu: 32bit / 64bit 714

Core Features

Multi-language Support
<https://www.amazon.com/CloudDrive/share/f1nenG0fLVS6EDnCwvCY8L7zY>

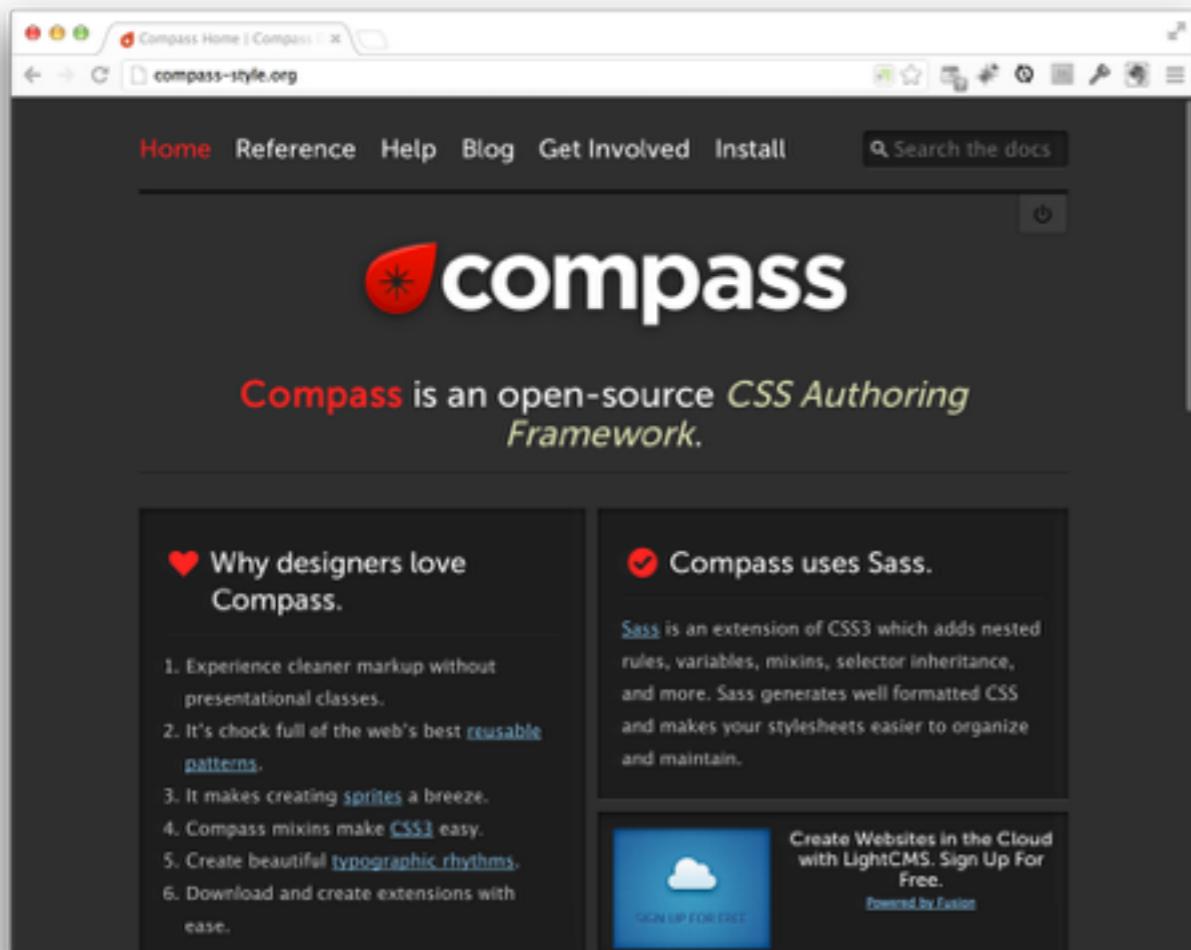
Real-time Compilation

Compile Options

Koala Cross Platform

Compass.app과 유사한 애플리케이션입니다.
(무료)





A screenshot of the Compass website, showing the homepage with the title "compass" and a brief description: "Compass is an open-source CSS Authoring Framework". Below this, there are two sections: "Why designers love Compass." and "Compass uses Sass.". The "Why designers love Compass." section lists six reasons, and the "Compass uses Sass." section provides information about Sass as an extension of CSS3.

Why designers love Compass.

1. Experience cleaner markup without presentational classes.
2. It's chock full of the web's best reusable patterns.
3. It makes creating sprites a breeze.
4. Compass mixins make CSS3 easy.
5. Create beautiful typographic rhythms.
6. Download and create extensions with ease.

Compass uses Sass.

Sass is an extension of CSS3 which adds nested rules, variables, mixins, selector inheritance, and more. Sass generates well formatted CSS and makes your stylesheets easier to organize and maintain.

Compass 확장팩!

Compass는 SASS에서 활용하는 프레임워크!
CSS3, 타이포그래피, 그리드, 레이아웃 등 미리 정의
된 스타일 모듈을 불러와서 사용할 수 있어 유용합니다.



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compass

- ➲ 표현을 위한 class 속성을 사용하지 않고도 의미있는 마크업이 가능합니다.
- ➲ 재사용 가능한 웹 디자인 모듈이 유용하게 쓰일 수 있습니다.
- ➲ Sprites 이미지를 순식간에 만들어 낼 수 있습니다.
- ➲ 제공되는 CSS3 믹스인을 활용하면 코드 작성이 쉬워집니다.
- ➲ 아름다운 타이포그래피를 제공합니다.

Why designers love Compass.

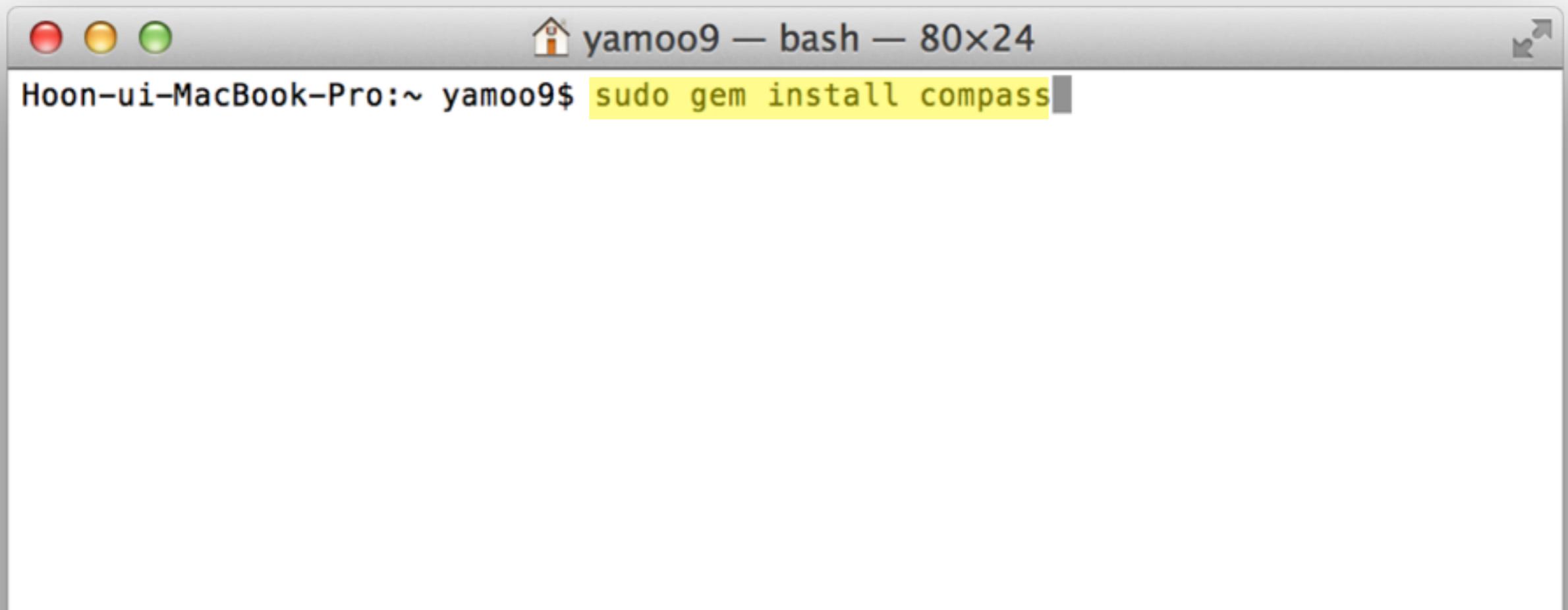
1. Experience cleaner markup without presentational classes.
2. It's chock full of the web's best [reusable patterns](#).
3. It makes creating [sprites](#) a breeze.
4. Compass mixins make [CSS3](#) easy.
5. Create beautiful [typographic rhythms](#).
6. Download and create extensions with ease.





sudo gem install compass

gem install compass 를 입력하면 compass 가 설치되는데 만약 오류 메시지가
뜬다면 sudo 를 입력한 후, gem install compass 를 입력하여 설치합니다.



A screenshot of a Mac OS X terminal window titled "yamoo9 — bash — 80x24". The window shows the command "sudo gem install compass" entered by the user "yamoo9" at the prompt "Hoon-ui-MacBook-Pro:~ yamoo9\$". The terminal interface includes standard Mac OS X window controls (red, yellow, green buttons) and a scroll bar on the right side.

```
Hoon-ui-MacBook-Pro:~ yamoo9$ sudo gem install compass
```



compass --version, compass -v

터미널(Terminal)을 구동한 후, `compass --version`, `compass -v` 를 입력하면
설치된 Compass 정보를 볼 수 있습니다.

```
Hoon-ui-MacBook-Pro:~ yamoo9$ compass --version
Compass 0.12.2 (Alnilam)
Copyright (c) 2008-2012 Chris Eppstein
Released under the MIT License.
Compass is charityware.
Please make a tax deductible donation for a worthy cause: http://umdf.org/compass
Hoon-ui-MacBook-Pro:~ yamoo9$
```



compass --help, compass -h

터미널(Terminal)을 구동한 후, `compass --help`, `compass -h` 를 입력하면
Compass 명령어 도움말 정보를 볼 수 있습니다.

```
MacBook-Pro:~ yamoo9$ compass --help
Usage: compass help [command]

Description:
The Compass Stylesheet Authoring Framework helps you
build and maintain your stylesheets and makes it easy
for you to use stylesheet libraries provided by others.

Donating:
Compass is charityware. If you find it useful please make
a tax deductible donation: http://umdf.org/compass

To get help on a particular command please specify the command.
```



compass init or compass create [Project]

터미널(Terminal)을 구동한 후, `compass init` 또는 `compass create`를 입력하면
Compass 프로젝트 템플릿을 생성합니다.

```
yamoo9:test yamoo9$ compass init
directory sass/
directory stylesheets/
  create config.rb
  create sass/screen.scss
  create sass/print.scss
  create sass/ie.scss
  create stylesheets/ie.css
  create stylesheets/print.css
  create stylesheets/screen.css
```

```
*****
Congratulations! Your compass project has been created.
```



compass init --using blueprint

터미널(Terminal)을 구동한 후, `compass init --using blueprint` 를 입력하면 Blueprint 프레임워크를 포함한 Compass 프로젝트 템플릿을 생성합니다.

```
yamoo9:compass-demo yamoo9$ compass init --using blueprint
directory images/
directory sass/
directory sass/partials/
directory stylesheets/
  create config.rb
  create sass/screen.scss
  create sass/partials/_base.scss
  create sass/print.scss
  create sass/ie.scss
  create images/grid.png
  create stylesheets/ie.css
  create stylesheets/print.css
  create stylesheets/screen.css
```



휴지통



Project





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config.rb

Compass 프로젝트 설정을 위한 간단한 Ruby 파일입니다.

```
yamoo9_example.html
```

```
+ yamoo9_example.html +≡  
1 # Compass 플러그인 추가  
  
# 프로젝트 내 폴더 경로 지정  
http_path = "/"  
css_dir = "css"  
sass_dir = "sass"  
images_dir = "images"  
javascripts_dir = "js"  
  
# SASS => CSS 변경 시에 변경되는 아웃풋 스타일 설정  
# :expanded :nested :compact :compressed  
output_style = :expanded  
  
# 상대 경로 설정  
# relative_assets = true
```

config.rb



```
1 # Compass 플러그인 추가
2
3 # 프로젝트 내 폴더 경로 지정
4 http_path = "/"
5 css_dir = "css"
6 sass_dir = "sass"
7 images_dir = "images"
8 javascripts_dir = "js"
9 fonts_dir = "fonts"
10
11 # SASS => CSS 변경 시에 변경되는 아웃풋 스타일 설정
12 # :expanded :nested :compact :compressed
13 output_style = :expanded
14
15 # 상대 경로 지정 설정
16 # relative_assets = true
17
18 # 변경된 내용 주석 처리 여부
19 # Line_comments = false
20
21
22 # 우선시 할 문법 모드 선택
23 # :sass :scss
24 # project again passing --syntax sass, or you can uncomment this:
25 # preferred_syntax = :sass
26
27 # 들여쓰기 구문인 *.sass 문법을 선호한다면 아래 주석을 비활성화 합니다.
28 # project again passing --syntax sass
29 # 또는 아래 주석을 비활성화 합니다.
30 # preferred_syntax = :sass
31 # 그리고 아래 주석을 비활성화해서 명령어를 실행합니다.
32 # sass-convert -R --from scss --to sass sass scss && rm -rf sass && mv scss sass
```