

Sass/Compass



**Or how it finally clicked and
I learned to love preprocessors**

• • • • •

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Why?



“Because CSS is Hard”

- Chris Eppstein

History



In the beginning...

CSS has always been a bit of trouble.

1980's- SGML had stylesheets

1990- Stylesheets goal of HTML from beginning

1995- HTML 2.0, no stylesheets

1996- CSS1 spec

- IE3 offers text support, no box support

1997- HTML 3.2 & HTML 4.0

- NN4 offers limited CSS support, only because of IE

History



1998- HTML4.0 & CSS2 spec

- Neither IE4 or NN4 support CCS1 well.

1999- CSS3 drafts start to show up.

- CSS3 broke into modules
- Browser prefix Hell
- IE5, Netscape fading fast

2013- CSS3 modules still evolving!

Firefox still requires -moz-box-sizing!

What is a preprocessor?



- Write in one syntax and output in a different syntax
- Extends CSS by writing a stylesheets in an extended meta-language format and compiling out to valid CSS.
- Emphasis on DRY (don't repeat yourself)
- No browser dependencies

What preprocessors can do



- **Variables**
- **Define & reuse common rules**
- **Automate common syntax**
- **Make minor changes to existing rules**
- **Better organization of rules**
- **Perform math calculations**

Sass & LESS



Sass - sass-lang.com

- Syntactically Awesome Stylesheets
- 2 syntax, (Sass, SCSS)
 - Identical functionality
- Ruby based app
- Compass support

LESS - lesscss.org

- Paired down version of Sass
- Javascript based app
- Influenced Sass v2 syntax



Sass

Sass



Sass {style with attitude}

sass-lang.com



(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 (3.2.10)

[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 extension `.sass`.



[Download](#)

◆ [Editor Support](#)

◆ [Development](#)

Sass



Sass – Original syntax

- Syntactically Awesome Stylesheets
- Indented format
 - White space matters
 - No curly brackets or ;
- .sass extension

```
1  ul.inline li
2    padding: 0px
3    margin: 1em 0em
4    display: block
5    a
6      color: $white
7      padding: 0em
8      margin: 1em
```

SCSS – Newer syntax

- Sassy CSS
 - White space doesn't matter
 - Uses curly brackets and ;
- .scss extension
- Any valid CSS is valid SCSS

```
1  ul.inline li {
2    padding: 0px;
3    margin: 1em 0em;
4    display: block;
5    a {
6      color: $white;
7      padding: 0em;
8      margin: 1em;
9    }
10 }
```

Functionally identical, SCSS most commonly used



Sass Code Examples

Nesting



sass-lang.com/docs/yardoc/file.SASS_REFERENCE.html#nested_rules

```
nesting.scss ×
1 article·{
2   ·margin:·2em·0;
3   ·h1·{
4     ··color:·#005bcc;
5   ·}
6   ·ul·{
7     ··list-style:·none;
8     ··padding:·10px·0;
9     ··li·{
10      ···display:·inline;
11      ···a·{
12        ····text-decoration:·none;
13      ···}
14    ··}
15  ·}
16 }
17
```

```
nesting.css ×
1 article·{
2   ·margin:·2em·0;
3 }
4 article·h1·{
5   ·color:·#005bcc;
6 }
7 article·ul·{
8   ·list-style:·none;
9   ·padding:·10px·0;
10 }
11 article·ul·li·{
12   ·display:·inline;
13 }
14 article·ul·li·a·{
15   ·text-decoration:·none;
16 }
17
```

Variables



sass-lang.com/docs/yardoc/file.SASS_REFERENCE.html#variables

```
variables.scss
1
2 $path: "/images/";
3 $blue: #1ea8ff;
4 $serif: georgia, times, serif;
5 $sans: arial, trebuchet, sans;
6
7 body {
8   background: url("#{ $path }/texture.jpg");
9 }
10
11 h1 {
12   font-face: $sans;
13   color: $blue;
14 }
15
16 p {
17   font-face: $serif;
18   color: darken($blue, 10%);
19 }
20
```

```
variables.css
1 body {
2   background: url(/images//texture.jpg);
3 }
4
5 h1 {
6   font-face: arial, trebuchet, sans;
7   color: #1ea8ff;
8 }
9
10 p {
11   font-face: georgia, times, serif;
12   color: #0090ea;
13 }
14
```

Parent References



sass-

lang.com/docs/yardoc/file.SASS_REFERENCE.html#referencing_parent_selectors

```
parent.scss
1  div a {
2    color: #ce4dd6;
3    &:hover { color: #ffb3ff; }
4    &:visited { color: #c458cb; }
5  }
6

parent.css
1  div a {
2    color: #ce4dd6;
3  }
4  div a: hover {
5    color: #ffb3ff;
6  }
7  div a: visited {
8    color: #c458cb;
9  }
10
```

Mixins



sass-lang.com/docs/yardoc/file.SASS_REFERENCE.html#mixins

```

mixin.scss
1 @mixin nav-list {
2   list-style-type: none;
3   padding: 0;
4   margin: 0;
5   > li {
6     display: block;
7     float: left;
8     &:last-child {
9       margin-right: 0px;
10    }
11  }
12 }
13
14 ul {
15   @include nav-list;
16 }
17

mixin.css
1 ul {
2   list-style-type: none;
3   padding: 0;
4   margin: 0;
5 }
6 ul > li {
7   display: block;
8   float: left;
9 }
10 ul > li:last-child {
11   margin-right: 0px;
12 }
13
```


Arguments



sass-lang.com/docs/yardoc/file.SASS_REFERENCE.html#mixin-arguments

```
arguments.scss      *
1 // Rems/px font sizing - Variables & Mixin
2 // Set rem and em to 10px := 16px * .625
3 html { font-size: 62.5%; }
4 $base-font-size: 10px;
5 $rem-ratio: $base-font-size / 1rem;
6
7 @mixin rem($key, $px) {
8   #{ $key }: $px;
9   #{ $key }: $px / $rem-ratio;
10 }
11
12 p {
13   @include rem(font-size, 16px);
14 }
15
16 .box {
17   @include rem(padding, 10px);
18 }
19

arguments.css      *
1 html {
2   font-size: 62.5%;
3 }
4
5 p {
6   font-size: 16px;
7   font-size: 1.6rem;
8 }
9
10 .box {
11   padding: 10px;
12   padding: 1rem;
13 }
14
```

Extends



sass-lang.com/docs/yardoc/file.SASS_REFERENCE.html#extend

```
extend.scss
1  .box {
2    border: 2px solid black;
3    margin: 1em;
4    width: 200px;
5  }
6
7  .big-box {
8    @extend .box;
9    width: 300px;
10 }
11
12 .little-box {
13   @extend .box;
14   width: 100px;
15 }
16

extend.css
1  .box, .big-box, .little-box {
2    border: 2px solid black;
3    margin: 1em;
4    width: 200px;
5  }
6
7  .big-box {
8    width: 300px;
9  }
10
11 .little-box {
12   width: 100px;
13 }
14
```

Comments



sass-lang.com/docs/yardoc/file.SASS_REFERENCE.html#comments

```
comments.scss
1 h1 {
2   font-size: 2em;
3 }
4
5 // Single line comments are thrown away
6 h2 {
7   font-size: 1.75em;
8 }
9
10 /*
11  Multi line comments
12  are not thrown out
13  */
14 h3 {
15   font-size: 1.5em;
16 }
17
18 /* Single line w/ Multiline style */
19

comments.css
1 h1 {
2   font-size: 2em;
3 }
4
5 h2 {
6   font-size: 1.75em;
7 }
8
9 /*
10  Multi line comments
11  are not thrown out
12  */
13 h3 {
14   font-size: 1.5em;
15 }
16
17 /* Single line w/ Multiline style */
18
```

Partials



sass-lang.com/docs/yardoc/file.SASS_REFERENCE.html#partials

```
_colors.scss *
1 /* Color Variables */
2 $blue: #0000ee;
3 $red: #ee0000;
4

_text.scss *
1 // Font Variables
2 $sans: arial, helvetica;
3 $serif: georgia, times;
4
5 /* CSS */
6 p {
7   font-family: $sans;
8 }
9

partial.scss *
1
2 @import "colors.scss";
3
4 div {
5   border: 1px solid $red;
6 }
7
8 @import "sub/text";
9

partial.css *
1 /* Color Variables */
2 div {
3   border: 1px solid #ee0000;
4 }
5
6 /* CSS */
7 p {
8   font-family: arial, helvetica;
9 }
10
```



Tools

Sassmeister



sassmeister.com

Sassmeister

Syntax: SCSS | Extension: Compass (v0.13.alpha.4) | Output Style: expanded

Reset

```
Sass
1- @mixin nav-list {
2   list-style-type:none;
3   padding:0;
4   margin:0;
5-  > li{
6     display:block;
7     float:left;
8-   &:last-child{
9     margin-right:0px;
10  }
11 }
12 }
13
14- ul {
15   @include nav-list();
16 }
```

```
CSS
1- ul {
2   list-style-type: none;
3   padding: 0;
4   margin: 0;
5 }
6- ul > li {
7   display: block;
8   float: left;
9 }
10- ul > li:last-child {
11   margin-right: 0px;
12 }
13
```

Codepen



codepen.io/pen/

The screenshot shows the Codepen editor interface. At the top, the 'CODEPEN' logo is on the left, a 'Save' button is in the center, and 'Login / Sign up' is on the right. Below the header, there are two code editors: 'HTML' and 'CSS (SCSS)'. The HTML editor contains the following code:

```
<body>
  <article>
    <h1>Pirate Ipsum</h1>
    <p>Mizzen belaying pin boatswain heave down</p>
  </article>
</body>
```

The CSS (SCSS) editor contains the following code:

```
$scuttle: #554001;
$brig: 2em;

body {
  background-color: $mutiny;
  article {
    background-color: $arggg;
    padding: {
      left: $brig / 3;
    }
    h1 {
      color: $scuttle;
      font-size: $brig;
    }
    p {
      color: shade($scuttle, 10%);
    }
  }
}
```

Below the code editors is a preview of the rendered output. It features a dark brown background with a light brown horizontal band. The text 'Pirate Ipsum' is displayed in a large, bold, dark red serif font. Below it, the text 'Mizzen belaying pin boatswain heave down' is displayed in a smaller, dark red serif font.

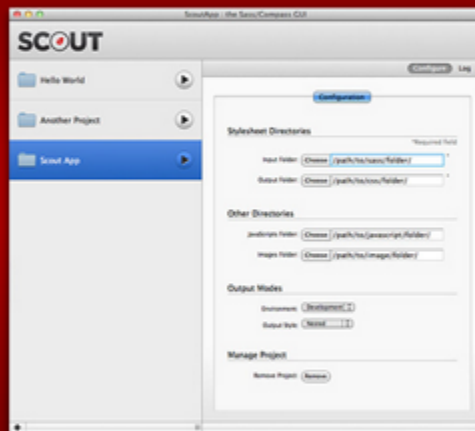
Scout



mhs.github.io/scout-app

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

Download Scout

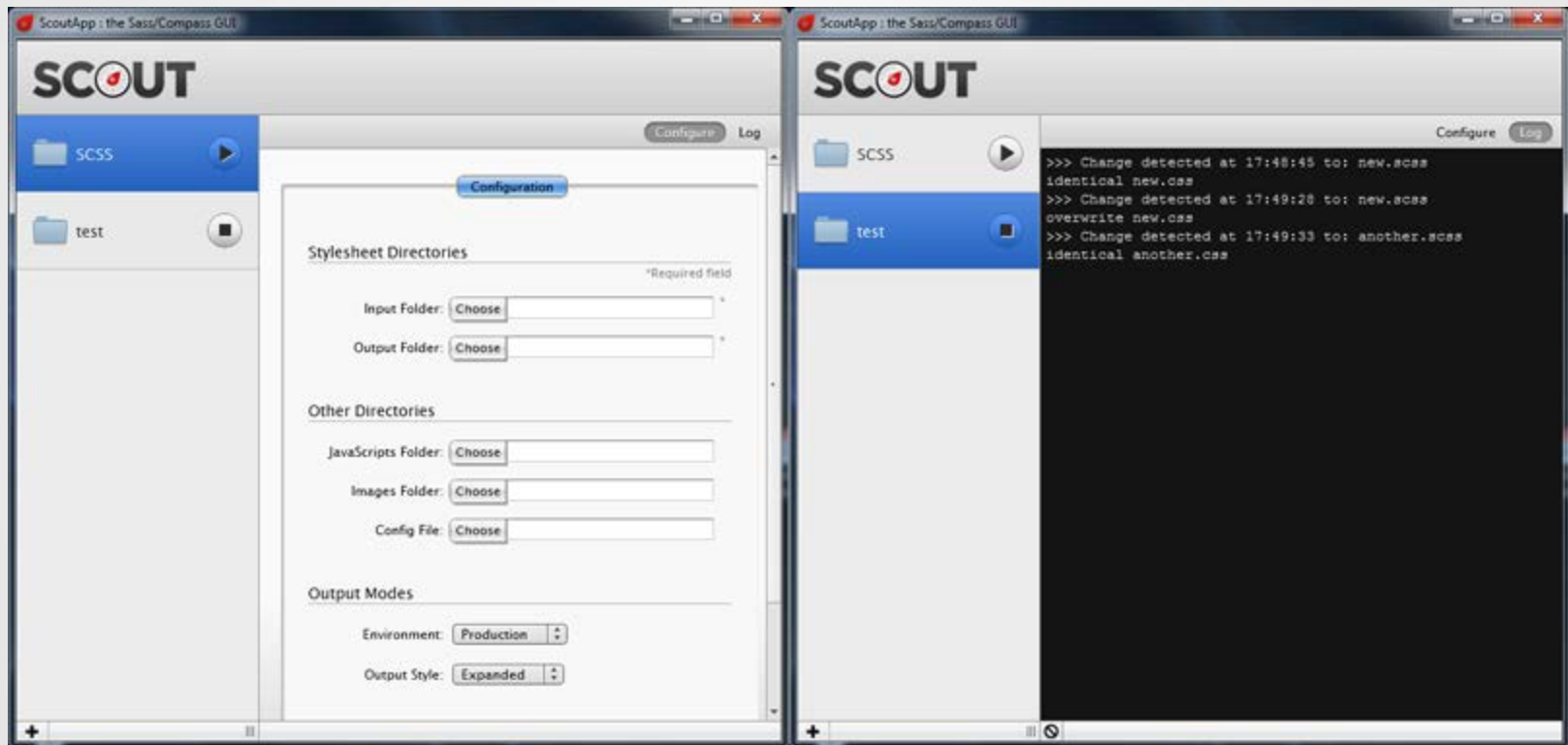
TELL ME MORE!

Since Sass and Compass are Ruby gems, they require that you have a working

Scout



mhs.github.io/scout-app



Compass.app



compass.handlino.com

Use Sass / Compass in    easily

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



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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 made in love, financed by You do not need to

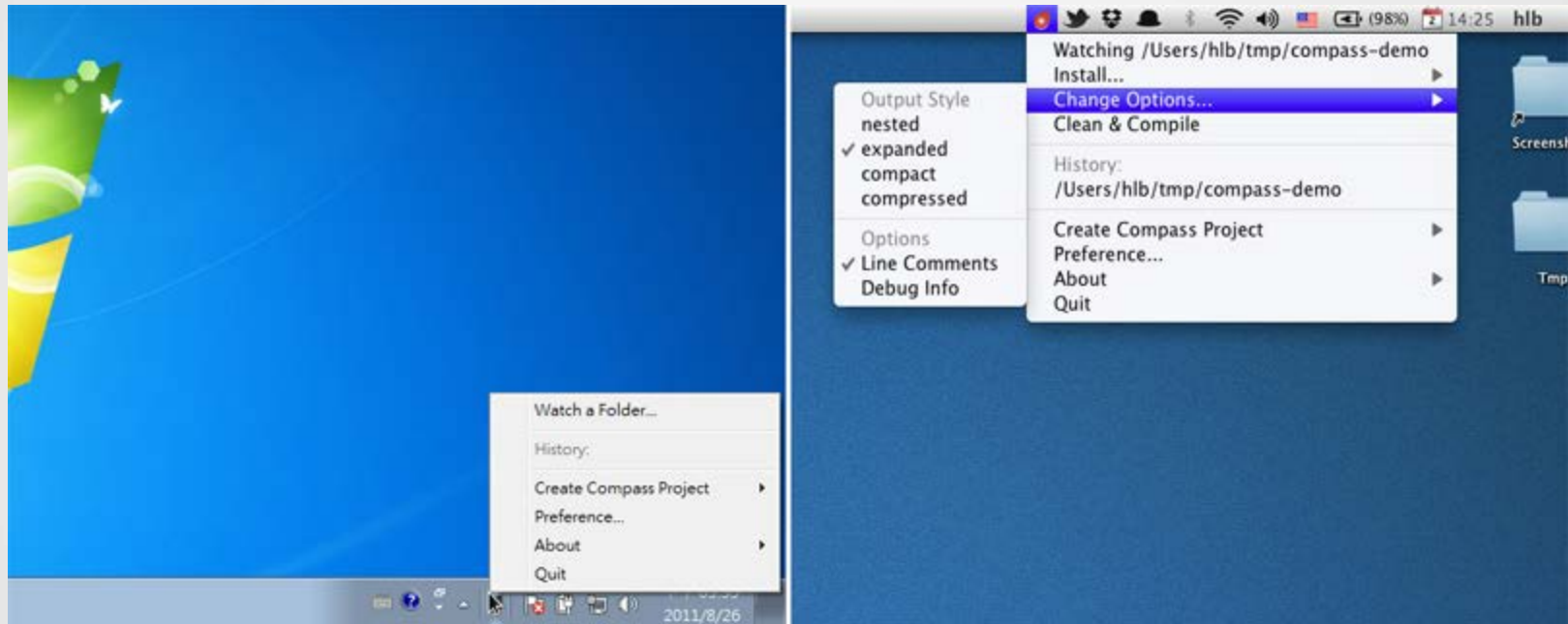


We also made **Fire.app** - The fast prototyping tool

Compass.app



compass.handlino.com



Compass.app



compass.handlino.com

A screenshot of a Mac OS X desktop. The top of the screen shows the system status bar with various icons: a red indicator light, Twitter, a recycling symbol, a bell, Bluetooth, Wi-Fi, a speaker, an American flag, a battery icon at 98%, a calendar icon showing '2' and '14:29', and the user name 'hlb'. Below the status bar is a Vim editor window titled 'style.scss (~/tmp/compass-demo/sass) - VIM2'. The editor shows the following code:

```
some default constants

compass extension
";

include everything
#commenting this line
#te;

#choose only the sections
#these includes
-#reset;
-#fonts;
-#styles;
-#helpers;

"overrides" partial if
#ver individual mixins
#des";

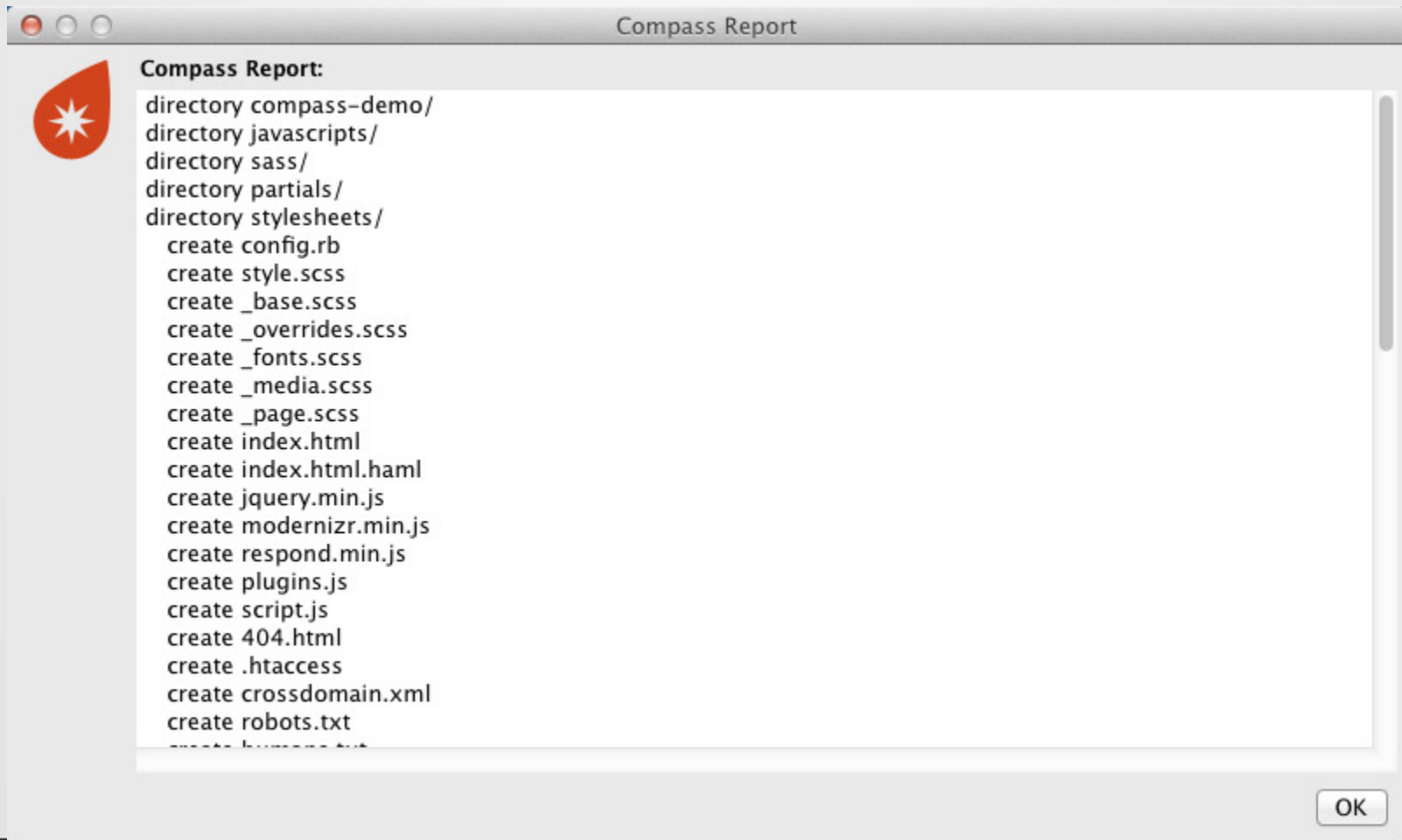
#styles in these partials
```

Overlaid on the right side of the Vim window is a dark grey notification bubble for 'Compass.app'. It features the Compass logo (a red teardrop with a white star) and the text 'Compass.app' and 'overwrite stylesheets/style.css'.

Compass.app



compass.handlino.com



Compass



compass-style.org

Home Reference Help Blog Get Involved Install

 **compass**

Compass is an open-source *CSS Authoring Framework*.

♥ **Why designers love Compass.**

1. Experience cleaner markup without presentational classes.
2. It's chock full of the web's best [reusable patterns](#).

✓ **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



```
scott@ubuntu: /var/www/new
scott@ubuntu:/var/www/new$ compass watch
>>> Compass is polling for changes. Press Ctrl-C to Stop.
>>> Change detected at 10:28:33 to: style.scss
overwrite css/style.css
>>> Change detected at 10:28:46 to: style.scss
overwrite css/style.css
>>> Change detected at 10:28:54 to: style.scss
identical css/style.css
>>> Change detected at 10:29:06 to: style.scss
error scss/style.scss (Line 7: Invalid CSS after " font-fa
family:": expected pseudoclass or pseudoelement, was " "Juice";")
overwrite css/style.css
>>> Change detected at 14:09:31 to: style.scss
error scss/style.scss (Line 7: Invalid CSS after " font-fa
family:": expected pseudoclass or pseudoelement, was " "Juice"")
overwrite css/style.css
```

Compass



compass-style.org/reference/compass

compass Reference Help Blog Get Involved Install

Blueprint **Core** **CSS3** Helpers Layout Reset Reset (legacy) Typography Utilities

Version: 0.12.2


Compass Core Framework [Source on Github](#)

The compass core framework is a design-agnostic framework that provides common code that would otherwise be duplicated across other frameworks and extensions.

This file can be imported using: `@import "compass"`

Imports

1. [CSS3](#) – Provides cross browser CSS3 mixins that take advantage of available pre-spec vendor prefixes.
2. [Typography](#) – Provides basic mixins for common typography patterns.
3. [Utilities](#) – Provides basic mixins for common styling patterns.


CSS Dev Conf 2013
Powered by Fusion

Compass Mixins



compass-style.org/reference/compass

CSS3

- Appearance
- Background Clip
- Background Origin
- Background Size
- Border Radius
- Box
- Box Shadow
- Box Sizing
- CSS Regions
- CSS3 Pie
- Columns
- Filter
- Font Face
- Hyphenation
- Images
- Inline Block
- Opacity
- Shared Utilities
- Text Shadow
- Transform
- Transform (legacy)

Compass CSS3

[Source on Github](#)

The CSS3 module provides cross-browser mixins for CSS properties introduced in CSS3, for example `border-radius` and `text-shadow`.

What rendering engines you support for the experimental css properties is governed by the configurable variables defined in [the browser support module](#).

This file can be imported using: `@import "compass/css3"`

Imports

1. [Appearance](#) – Specify the CSS3 appearance property.
2. [Background Clip](#) – Specify the background clip for all browsers.
3. [Background Origin](#) – Specify the background origin for all browsers.
4. [Background Size](#) – Specify the background size for all browsers.
5. [Border Radius](#) – Specify the border radius for all browsers.
6. [Box](#) – This module provides mixins that pertain to the CSS3 Flexible Box.
7. [Box Shadow](#) – Specify the box shadow for all browsers.
8. [Box Sizing](#) – Specify the box sizing for all browsers.
9. [Columns](#) – Specify a columnar layout for all browsers.
10. [Filter](#) – Specify the (image) filter for all browsers.
11. [Font Face](#) – Specify a downloadable font face for all browsers.

Mixins



```

mixin.scss
1 @mixin nav-list {
2   list-style-type: none;
3   padding: 0;
4   margin: 0;
5   > li {
6     display: block;
7     float: left;
8     &:last-child {
9       margin-right: 0px;
10    }
11  }
12 }
13
14 ul {
15   @include nav-list();
16 }
17

mixin.css
1 ul {
2   list-style-type: none;
3   padding: 0;
4   margin: 0;
5 }
6 ul > li {
7   display: block;
8   float: left;
9 }
10 ul > li:last-child {
11   margin-right: 0px;
12 }
13
```

Horizontal List



compass-style.org/reference/compass/typography/lists/horizontal_list

```
horiz_list.scss ×
1 @import "compass";
2
3 ul {
4   @include horizontal-list();
5 }
6

horiz_list.css ×
1 ul {
2   margin: 0; padding: 0; border: 0;
3   overflow: hidden; *zoom: 1;
4 }
5 ul li {
6   list-style-image: none;
7   list-style-type: none;
8   margin-left: 0;
9   white-space: nowrap;
10  display: inline;
11  float: left;
12  padding-left: 4px;
13  padding-right: 4px;
14 }
15 ul li:first-child, ul li.first {
16   padding-left: 0;
17 }
18 ul li:last-child { padding-right: 0; }
19 ul li.last { padding-right: 0; }
20
```

Border Radius



compass-style.org/reference/compass/css3/border_radius

```
border_radius.scss ×
1 @import "compass";
2
3 $default-border-radius: 12px;
4 $rad: $default-border-radius / 2;
5 $ius: 2px;
6
7 div.default {
8   @include border-radius();
9 }
10
11 div.multiple {
12   @include border-radius(10px, $rad);
13 }
14
15 div.math {
16   @include border-radius($rad + $ius);
17 }
18

border_radius.css ×
1 div.default {
2   -webkit-border-radius: 12px;
3   -moz-border-radius: 12px;
4   -ms-border-radius: 12px;
5   -o-border-radius: 12px;
6   border-radius: 12px;
7 }
8
9 div.multiple {
10  -webkit-border-radius: 10px 6px;
11  -moz-border-radius: 10px / 6px;
12  border-radius: 10px / 6px;
13 }
14
15 div.math {
16  -webkit-border-radius: 8px;
17  -moz-border-radius: 8px;
18  -ms-border-radius: 8px;
19  -o-border-radius: 8px;
20  border-radius: 8px;
21 }
```

Font Face



compass-style.org/reference/compass/css3/font_face

```
font.scss      _text.scss
1 @import "compass";
2 @import "sub/text";
3
4 @include font-face("Juice", font-files("
   juice.woff", "juice.eot", "juice.svg"));
5
6 h1 {
7   font-family: "Juice", $sans;
8 }
9

font.css
1 /* CSS */
2 p {
3   font-family: arial, helvetica;
4 }
5
6 @font-face {
7   font-family: "Juice";
8   src: url('../fonts/juice.woff') format('
   woff'), url('../fonts/juice.eot')
   format('embedded-opentype'), url('
   ../fonts/juice.svg') format('svg');
9 }
10
11 h1 {
12   font-family: "Juice", arial, helvetica;
13 }
14
```

Gradients



compass-style.org/reference/compass/css3/images

```
grad.scss  x  grad.css  x
1  @import "compass";
2  @import "colors";
3
4
5  .grad {
6    height: 50%;
7    width: 50%;
8    border: 1px solid black;
9    @include background-image(linear-gradient($red, $blue));
10   @include filter-gradient($red, $blue);
11 }
12
```

Gradients



compass-style.org/reference/compass/css3/images

```
grad.scss  x  grad.css  x
1  /* Color Variables */
2  .grad {
3    height: 50%;
4    width: 50%;
5    border: 1px solid black;
6    background-image: -webkit-gradient(linear, 50% 0%, 50% 100%, color-stop(0%, #ee0000),
7      color-stop(100%, #0000ee));
8    background-image: -webkit-linear-gradient(#ee0000, #0000ee);
9    background-image: -moz-linear-gradient(#ee0000, #0000ee);
10   background-image: -o-linear-gradient(#ee0000, #0000ee);
11   background-image: linear-gradient(#ee0000, #0000ee);
12   *zoom: 1;
13   filter: progid:DXImageTransform.Microsoft.gradient(gradientType=0, startColorstr='
14     #FFEE0000', endColorstr='#FF0000EE');
```

Box Shadow



compass-style.org/reference/compass/css3/box_shadow

```
shadow.scss shadow.css
1 @import "compass";
2 @import "colors";
3
4 .shadow {
5   @include box-shadow;
6 }
7
8 .offset {
9   @include box-shadow(rgba($blue, 0.4) 4px 4px 10px);
10 }
11
12 $experimental-support-for-webkit: false;
13 $experimental-support-for-mozilla: false;
14 .multi {
15   @include box-shadow($blue 0 5px 15px, $red 0 0 5px 2px inset);
16 }
17
```


Box Shadow



compass-style.org/reference/compass/css3/box_shadow

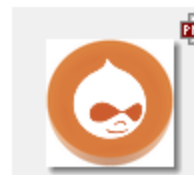


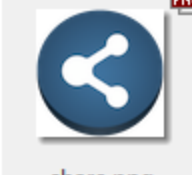
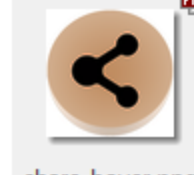
```
shadow.scss shadow.css
1  .shadow {
2    -webkit-box-shadow: 0px 0px 5px #333333;
3    -moz-box-shadow: 0px 0px 5px #333333;
4    box-shadow: 0px 0px 5px #333333;
5  }
6
7  .offset {
8    -webkit-box-shadow: rgba(0, 0, 238, 0.4) 4px 4px 10px;
9    -moz-box-shadow: rgba(0, 0, 238, 0.4) 4px 4px 10px;
10   box-shadow: rgba(0, 0, 238, 0.4) 4px 4px 10px;
11 }
12
13 .multi {
14   box-shadow: #0000ee 0 5px 15px, #ee0000 0 0 5px 2px inset;
15 }
16
```

Sprites



compass-style.org/reference/compass/utilities/sprites

```
index.html x
1 <link href="css/sprites.css" rel="stylesheet" type="text/css" />
2
3 <a href="/" class="icons-drupal">Drupal</a>
4 <a href="/" class="icons-rss">Drupal</a>
5 <a href="/" class="icons-share">Drupal</a>
6
```

 A blue circular icon with a white Drupal mascot character.	 An orange circular icon with a white Drupal mascot character.
 An orange circular icon with a white RSS symbol.	 A blue circular icon with a white RSS symbol.
 A blue circular icon with a white share symbol.	 A brown circular icon with a black share symbol.

Sprites



compass-style.org/reference/compass/typography/text/replacement

```
sprites.scss  x  index.html  x
1  @import "compass";
2  @import "icons/*.png";
3
4  @include all-icons-sprites;
5
6  a {
7    @include hide-text;
8    display: inline-block;
9    width: 64px;
10   height: 64px;
11 }
12
```

A vertical stack of six circular icons. From top to bottom: an orange circle with a white RSS symbol; a blue circle with a white Drupal mascot head; a dark blue circle with a white share symbol; a blue circle with a white RSS symbol; a brown circle with a white share symbol; and an orange circle with a white Drupal mascot head.

Sprites



compass-style.org/help/tutorials/spriting/magic-selectors

```
sprites.css  sprites.scss  index.html
1  .icons-sprite, .icons-drupal, .icons-rss, .icons-share {
2  |  background: url('/images/icons-sa26b5585ba.png') no-repeat;
3
4  .icons-drupal { background-position: 0 -64px; }
5  .icons-drupal:hover, .icons-drupal.drupal_hover, .icons-drupal.drupal-hover {
6  |  background-position: 0 -320px; }
7
8  .icons-rss { background-position: 0 0; }
9  .icons-rss:hover, .icons-rss.rss_hover, .icons-rss.rss-hover { background-position: 0 -192px; }
10
11 .icons-share { background-position: 0 -128px; }
12 .icons-share:hover, .icons-share.share_hover, .icons-share.share-hover {
13 |  background-position: 0 -256px; }
14
15 a {
16 |  text-indent: -119988px;
17 |  overflow: hidden;
18 |  text-align: left;
19 |  display: inline-block;
20 |  width: 64px;
21 |  height: 64px; }
```

Errors



```
Syntax error: Invalid CSS after " font-family:": expected pseudoclass or pseudoelement, was " "Juice";"  
on line 6 of /var/www/new/scss/style.scss
```

```
1: /var/www/new/scss/style.scss
```

Hello



Drupal

Sass, Compass and Omega



drupal.org/node/1808252

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Using Sass and Compass with Omega 3.x

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Last updated July 18, 2013. Created by Mark123 on October 10, 2012. Edited by screenack, bisonbleu, wheatpenny. You can edit this page, too.

Sass is a CSS pre-processor, and Compass a library of Sass code. While both will be part of Omega 4.x, you can incorporate them into 3.x as well without much difficulty. Instructions for installation of Sass and Compass may be found at the [Compass website](#). Note however, that at least for the Mac, the command listed there of `gem install compass` improperly installed files for me. Adding 'sudo' was necessary: `sudo gem install compass`. Once Sass and Compass are installed, the following instructions will incorporate them into an Omega subtheme.

Note: "sass" and "scss" are two different syntaxes for creating your preprocessor stylesheets. These instructions presume you'll use "scss" variant. Substitute "scss" with "sass" as necessary. Also note that regardless of your preferred syntax, the commands

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Drupal 7.x

Audience

Sass, Compass and Omega



- `compass create . --sass-dir=scss --css-dir=css --bare`






```
config.rb  x
1  # Require any additional compass plugins here.
2
3  # Set this to the root of your project when deployed:
4  http_path = "/"
5  css_dir = "css"
6  sass_dir = "scss"
7  images_dir = "images"
8  javascripts_dir = "javascripts"
9
```

- Copy all files from `css` folder to `scss` folder
- Rename all `.css` files to `.scss`



Sass, Compass and Omega



<theme>/scss

-  _fonts.scss
-  _mixins.scss
-  _text.scss
-  global.scss
-  skull5-alpha-default.scss

<theme>/css

-  global.css
-  skull5-alpha-default.css

Sass/Compass



**Or how it finally clicked and
I learned to love preprocessors**

• • • • •

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