

Sass: CSS with Attitude



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<http://www.flickr.com/photos/philyfn/5562755943/>

Why does CSS suck?

★ Redundancy

```
#block-menu-block-main-menu-level-tertiary .content a:link {}  
#block-menu-block-main-menu-level-tertiary .content a:visited {}  
#block-menu-block-main-menu-level-tertiary .content a:hover,  
#block-menu-block-main-menu-level-tertiary .content a:focus {}
```

★ Redundancy

```
a { color: #cff; }  
.box { border-color: #cff; }
```

★ Redundancy

```
.box {  
  -webkit-box-shadow: 1px 1px 10px 3px #ccc;  
  -moz-box-shadow: 1px 1px 10px 3px #ccc;  
  box-shadow: 1px 1px 10px 3px #ccc;  
}
```

Sass sucks less

- ★ Sass is easy to learn:
It is CSS + goodies
- ★ Browsers don't understand sass
- ★ Sass is compiled

```
.empty-rules {}  
// and comments
```

★ // Comments are not in rendered CSS

★ /* Comments are in rendered CSS */

★ .empty-rulesets {} // Not included.

nested { rules }

```
★ .block {  
    font-size: 12px;  
  
    h2 {  
        font-size: 18px; // He11, yeah!  
    }  
}
```

```
★ .block { font-size: 12px; }  
.block h2 { font-size: 20px; }
```

nested { rules }

```
★ #block-menu-block-main-menu-level-tertiary .content a:link {}  
#block-menu-block-main-menu-level-tertiary .content a:visited {}  
#block-menu-block-main-menu-level-tertiary .content a:hover,  
#block-menu-block-main-menu-level-tertiary .content a:focus {}
```

```
★ #block-menu-block-main-menu-level-tertiary .content {  
  a:link {}  
  a:visited {}  
  a:hover,  
  a:focus {}  
}
```

nested { rules }

- ★

```
.block {  
  margin-bottom: 1.5em;  
  
  &.last { // Last block in region  
    margin-bottom: 0;  
  }  
  .body-class & {  
    margin-bottom: 2em;  
  }  
}
```
- ★

```
.block { margin-bottom: 1.5em; }  
.block.last { margin-bottom: 0; }  
.body-class .block { margin-bottom: 2em; }
```

nested-properties

```
★ border: 2px solid #333;  
border-left: 1px dotted #ccc;
```

```
★ border: 2px solid #333 {  
  left: 1px dotted #ccc; // border-left  
  top {  
    width: 1px; // border-top-width  
  }  
}
```


\$variables

```
★ $blue: #3bbfce;  
$default-font: Georgia, "Times New  
Roman", "DejaVu Serif", serif;
```

Math * 2

★ `$grid-width: 960px / 8;`

★ Any of these: + - * / %

functions()

<http://sass-lang.com/docs/yardoc/Sass/Script/Functions.html>

- ★ RGB functions

`rgb()`, `rgba()`, `mix()`

- ★ HSL functions

`hsla()`, `lighten()`, `darken()`,
`desaturate()`

- ★ Opacity functions

`opacity()`, `transparentize()`

- ★ Make your own! `ponycorn()`

`_Partials`

- ★ Shared resources for your project.
- ★ Name them with an underscore.
Include them without an underscore.
- ★ `@include "partial";`

@ mixins

```
★ #main {  
    @include element-invisible;  
}
```

compile / watch

★ `sass sass/style.scss css/style.css`

★ `sass --watch sass:css`

FireSass

★ `sass --debug-info --watch sass:css`

Compass

- ★ package manager
- ★ frameworks/groups of pre-built functionality

compass watch

★ The magic is in `config.rb`

★ `compass watch .`

More Awesome

★ Sass: <http://sass-lang.com>

★ Compass: <http://compass-style.org>

★ Zen 7.x-5.x