



Maintainable CSS

Syntactically Awesome Style Sheets

Why ?

Writing a lot of CSS can be overwhelming and hard to maintain.

Thanks to this CSS pre-processor, it's now possible to write DRY CSS code and allows you to declare variables and «some» other features that can be re-used all throughout the style.

Meaningful features...

SASS comes with a set of additional features to write
your generate your CSS such as Variables,
Nesting, Mixins, Property inheritance and Operators

Beautiful syntax...

SASS is a space sensitive way to write CSS and uses indentation instead of { } to delimit code blocks.

Everything that would be within { and } after a statement must be on a new line and indented one level deeper than the statement

Tabs and spaces are not the same even if they look the same!

styles/stylesheet.css

```
#main {  
  color: blue;  
  font-size: 0.3em;  
}
```

styles/styleSheet.sass

```
#main  
  color: blue  
  font-size: 0.3em
```

Easy in Rails...

Rails compile .sass files for you, all you need is to
change .scss file extension to .sass

Or in basic environments

```
sass --watch sass_folder:stylesheets_folder
```

Sass provides higher level style syntax and takes your preprocessed SASS file and save it as a normal CSS file that you can use in your web site. (we will demo that)

styles/stylesheet.sass

```
$cool: #FF4848
```

```
#main
```

```
  color: $cool
```

```
p
```

```
  color: $cool
```

styles/stylesheet.css

```
#main {
```

```
  color: #FF4848;
```

```
}
```

```
p {
```

```
  color: #FF4848;
```

```
}
```

styles/styleSheet.sass

```
$myFontSize: 13px
$myFontSize2: 15px
$myWidth: 500px
$myMargin: 0px auto

#container
  width: $myWidth
  margin: $myMargin

  p
    font-family: Arial
    font-size: $myFontSize

  h2
    font-family: Helvetica
    font-size: $myFontSize2
```

styles/styleSheet.css

```
//Creates the following CSS...

#container p {
  font-family: Arial;
  font-size: 13px;
}

#container h1 {
  font-family: Tahoma;
  font-size: 15px;
}

#container h2 {
  font-family: Helvetica;
  font-size: 14px;
}
```

styles/styleSheet.sass

```
@mixin border-radius($amount: 5px)
  -moz-border-radius: $amount
  -webkit-border-radius: $amount
  -ms-border-radius: $amount
  border-radius: $amount
```

```
h1
  @include border-radius(2px)
```

```
h2
  @include border-radius
```

styles/styleSheet.css

```
//Creates the following CSS...
```

```
h1 {
  -moz-border-radius: 2px;
  -webkit-border-radius: 2px;
  -ms-border-radius: 2px;
  border-radius: 2px;
}
```

```
h2 {
  -moz-border-radius: 5px;
  -webkit-border-radius: 5px;
  -ms-border-radius: 5px;
  border-radius: 5px;
}
```

styles/stylesheet.sass

```
.msg  
  border: 1px solid #ccc  
  padding: 10px  
  color: #333
```

```
.success  
  @extend .msg  
  border-color: green
```

```
.error  
  @extend .msg  
  border-color: red
```

```
.warning  
  @extend .msg  
  border-color: yellow
```

styles/stylesheet.css

```
.message, .success, .error, .warning {  
  border: 1px solid #cccccc;  
  padding: 10px;  
}
```

```
.success {  
  border-color: green;  
}
```

```
.error {  
  border-color: red;  
}
```

```
.warning {  
  border-color: yellow;  
}
```

styles/styleSheet.sass

```
.container  
  width: 100%  
  
article  
  width: 600px / 960px * 100%  
  
aside  
  width: 300px / 960px * 100%
```

styles/styleSheet.css

```
.container {  
  width: 100%;  
}  
  
article {  
  width: 62.5%;  
}  
  
aside {  
  width: 31.25%;  
}
```

Q&A

.sass? .less? .scss? .css? .map?

CSS is fun again!