

Sass



Syntactically **A**wesome **S**tylesheets

# INTRO

- HTML, CSS, JavaScript – enormously successful
- SASS has all the tools we need!

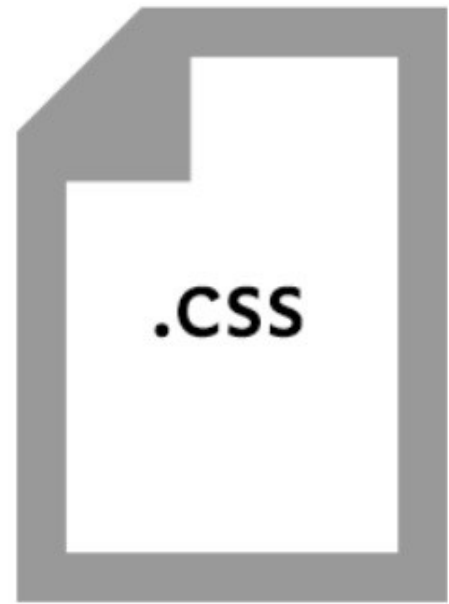
# WHAT IS SASS?

## Definition

- plugs the holes in CSS as a language, allowing you to write DRY code that'll be faster, more efficient, and easier to maintain.
- SASS is an extension of CSS3.



Sass



# WHY SASS?

## Simple example

```
$brand-color: #fc3;
```

```
a {  
  color: $brand-color;  
}
```

```
nav {  
  background-color: $brand-color;  
}
```

## CSS way

```
p {  
  margin-bottom: 20px;  
  font-size: 14px;  
  line-height: 1.5;  
}
```

```
footer {  
  margin-bottom: 20px;  
  font-size: 14px;  
  line-height: 1.5;  
}
```

## SASS way

```
@mixin default-type {  
  margin-bottom: 20px;  
  font-size: 14px;  
  line-height: 1.5;  
}
```

```
p {  
  @include default-type;  
}  
  
footer {  
  @include default-type;  
}
```

Can you feel the power of SASS? Faster, easier, more flexible...

Welcome helper in the world of web design!

# SASS SYNTAX

- SCSS files use an .scss file extension
- Indentation

# SASS MISCONCEPTIONS

- The command line
- Don't want to change the way I write CSS
- Don't want Sass to change the way I design



# USING SASS

## NESTING RULES

.sass file

```
header[role="banner"] {
  margin: 20px 0 30px 0;
  border-bottom: 4px solid #333;

  #logo {
    float: left;
    margin: 0 20px 0 0;

    img {
      display: block;
      opacity: .95;
    }
  }

  h1 {
    padding: 15px 0;
    font-size: 54px;
    line-height: 1;
    font-family: Jubilat, Georgia, serif;
    font-weight: bold;
  }
}
```

```
<header role='banner'>
  <div id='logo'>
    <img src='logo.png'>
  </div>
  <h1>Page Title</h1>
  ...
</header>
```

compile into

.css file

```
header[role="banner"] {
  margin: 20px 0 30px 0;
  border-bottom: 4px solid #333;
}
header[role="banner"] #logo {
  float: left;
  margin: 0 20px 0 0;
}
header[role="banner"] #logo img {
  display: block;
  opacity: .95;
}
header[role="banner"] h1 {
  padding: 15px 0;
  font-size: 54px;
  line-height: 1;
  font-family: Jubilat, Georgia, serif;
  font-weight: bold;
}
```

**\*PRO TIP - DON'T EDIT YOUR OUTPUT!**

## NESTING NAMESPACED PROPERTIES

```
header[role="banner"] h1 {  
  padding: 15px 0;  
  font: {  
    size: 54px;  
    family: Jubilat, Georgia,  
  serif;  
    weight: bold;  
  }  
  line-height: 1;  
}
```

## REFERENCING PARENT SELECTORS WITH &

```
a {  
  font-weight: bold;  
  text-decoration: none;  
  color: red;  
  border-bottom: 2px solid red;  
  
  &:hover {  
    color: maroon;  
    border-color: maroon;  
  }  
}
```

**\*PRO TIP - Add a blank line before nested selectors!**

## VARIABLES

```
$color-main: #333;
```

```
$color-light: #999;
```

```
$color-accent: #ea4c89;
```

```
$font-sans: "Proxima Nova", "Helvetica Neue",  
  Helvetica, Arial, sans-serif;
```

```
$font-serif: Jubilat, Georgia, serif;
```

```
body {
```

```
  padding: 0 8%;
```

```
  font-family: $font-sans;
```

```
  font-size: 100%;
```

```
  color: $color-main;
```

```
  background: #fff url(../img/bg.jpg) repeat-x -80%
```

```
}
```

## MIXINS

- keyword: `@mixin`
- mixins allow you to define and reuse blocks of styles
- they are like functions in other programming languages
- with or without arguments

\*PRO TIP – Create another .SCSS file/s and import and merge them into a single file.

keyword: `@import`

## USING @extend

```
<h2 class="alert alert-positive">This is a positive alert!</h2>
```

```
.alert {  
  padding: 15px;  
  font-size: 1.2em;  
  font-weight: normal;  
  text-transform: uppercase;  
  line-height: 1;  
  letter-spacing: 3px;  
  text-align: center;  
  color: #fff;  
  background: $color-accent;  
  @include shadow(0, 1px, 2px,  
  rgba(0,0,0,.5));  
  @include rounded(10px);  
}
```

```
.alert-positive {  
  @extend .alert;  
  background: #9c3;  
}
```

# SASS AND MEDIA QUERIES

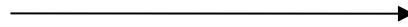
## SASS

```
section.main {
  float: left;
  width: 65%;
  font-size: 16px;
  Line-height: 1.4;

  @media screen and (max-width: 800px) {
    float: none;
    width: auto;
  }

  @media screen and (max-width: 500px) {
    font-size: 12px;
    line-height: 1.4;
  }
}
```

compile to



## CSS

```
section.main {
  float: left;
  width: 65%;
  font-size: 16px;
  line-height: 1.4;
}

@media screen and (max-width: 800px) {
  section.main {
    float: none;
    width: auto;
  }
}

@media screen and (max-width: 500px) {
  section.main {
    font-size: 12px;
    line-height: 1.4;
  }
}
```

THANK YOU FOR YOUR TIME

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