

SCSS

SCSS (Sassy CSS) is a syntax of **Sass**, a preprocessor that extends CSS with additional features to make writing styles easier and more efficient. SCSS is fully compatible with regular CSS but introduces features like variables, nesting, mixins, inheritance, and more.

#variables

just fancy variables

```
$primary-color: blue;
$padding: 10px;
button {
    background-color: $primary-color;
    padding: $padding;
}
```

#nesting

Write CSS in a hierarchical way that matches your HTML structure.

```
nav {
  ul {
    list-style: none;
    li {
      display: inline-block;
      a {
        text-decoration: none;
      }
    }
  }
}
```

#mixins

Reuse blocks of CSS with optional arguments.

```
@mixin button-style($bg-color) {
    background-color: $bg-color;
    border: none;
    padding: 10px 20px;
}
```

```
.primary-button {  
  @include button-style(blue);  
}
```

#inheritance_extend

Share styles between selectors.

```
%shared-styles {  
  font-family: Arial, sans-serif;  
  color: black;  
}  
  
h1 {  
  @extend %shared-styles;  
}  
  
p {  
  @extend %shared-styles;  
}
```

#Math_and_Functions

Perform calculations directly in your styles.

```
$base-spacing: 8px;  
  
div {  
  margin: $base-spacing * 2; // 16px  
  width: 100% / 3;           // 33.33%  
}
```

#Partials_and_Imports

Break CSS into smaller files and import them as needed.

```
// _variables.scss  
$primary-color: blue;  
  
// main.scss  
@import 'variables';  
  
body {
```

```
background-color: $primary-color;
}
```

#example_of_usage_with_bem

SCSS features in BEM:

```
// Block
.button {
  padding: 10px 20px;
  border: none;

  // Element
  &__icon {
    margin-right: 5px;
  }

  &__label {
    font-size: 16px;
  }

  // Modifier
  &--primary {
    background-color: blue;
    color: white;
  }
}
```

#how_to_install

For Visual Studio Code:

To use scss in thy VSCode project you need just install extension called "Live SASS Compiler", then create file `.scss` , finally in bottom of VSCode window u will be able to find "Watch Sass" button, which one you need to click. All Done.

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For other editors:

For other editors (ex. Vim) you can install ruby, in the guide below you will find everything u need to do so

#Links

Links:

Install Guide:

<https://www.youtube.com/watch?v=Do7ivdaQU8Y>

Ruby:

<https://rubyinstaller.org/downloads/>