

## Sass Mixins and include

The `@mixin` directive lets you create CSS code that is to be reused throughout the website.

The `@include` directive is created to let you use (include) the mixin.

A mixin is defined with the `@mixin` directive.

```
@mixin name {  
  property: value;  
  property: value;  
  ...  
}
```

The following example creates a mixin named "important-text":

```
@mixin important-text {  
  color: red;  
  font-size: 25px;  
  font-weight: bold;  
  border: 1px solid blue;  
}
```

## Using a Mixin

The `@include` directive is used to include a mixin.

Sass `@include` mixin Syntax:

```
selector {  
  @include mixin-name;  
}
```

So, to include the important-text mixin created above:

SCSS Syntax:

```
.danger {  
  @include important-text;  
  background-color: green;  
}
```

## Passing Variables to a Mixin:

Mixins accept arguments. This way you can pass variables to a mixin.

Here is how to define a mixin with arguments:

### Variable Syntax:

```
/* Define mixin with two arguments */
@mixin bordered($color, $width) {
  border: $width solid $color;
}
.myArticle {
  @include bordered(blue, 1px); // Call mixin with two values
}
.myNotes {
  @include bordered(red, 2px); // Call mixin with two values
}
```

### **\_button.scss file**

```
@mixin btn($bg-color: #e2e2e2) {
  text-decoration: none;
  cursor: pointer;
  display: inline-block;
  border: 0;
  padding: $base-padding $base-padding * 2;
  border-radius: $base-border-radius;
  background-color: $bg-color;
}

.btn {
  @include btn;
}

@each $key, $val in $colors {
  .btn-#{$key} {
    @include btn($val);
    &:hover {
      background-color: lighten($val, 5);
    }
  }
  .btn-outlined-#{$key} {
    @include btn(fff);
    border: $base-border-thickness solid $val;
    &:hover {
      background-color: $val;
    }
  }
}
```

```
}
```

## **\_button.scss file**

```
// components(button, card, navbar)

@import 'components/card';
@import 'components/buttons';

// utilities(margin, padding, opacity)
```

## **index.css file generate classes btn**

```
.btn {
  text-decoration: none;
  cursor: pointer;
  display: inline-block;
  border: 0;
  padding: 0.75rem 1.5rem;
  border-radius: 20px;
  background-color: #e2e2e2;
}

.btn-primary {
  text-decoration: none;
  cursor: pointer;
  display: inline-block;
  border: 0;
  padding: 0.75rem 1.5rem;
  border-radius: 20px;
  background-color: #326dee;
}

.btn-primary:hover {
  background-color: #4a7ef0;
}

.btn-outlined-primary {
  text-decoration: none;
  cursor: pointer;
  display: inline-block;
  border: 0;
  padding: 0.75rem 1.5rem;
  border-radius: 20px;
  background-color: #fff;
  border: 1px solid #326dee;
}

.btn-outlined-primary:hover {
```

```
background-color: #326dee;
}
```

## Browser input

### Colors

primary text | secondary text | error text | info text | blue text | red text | green text | yellow text | purple text | orange text | gray text

bg primary | bg secondary | bg error | bg info | bg blue | bg red | bg green | bg yellow | bg purple | bg orange | bg gray |

primary dark 8 | primary dark 6 | primary dark 4 | primary dark 2 | primary | primary light 2 | primary light 4 | primary light 6 | primary light 8 |

hover me hover me

### Buttons

default btn | click me | click me | click me | click me | click me | click me

### Cards

This is a title

Lorem ipsum dolor sit, amet  
consectetur adipiscing elit. In sunt, quo  
totam aliquam praesentium ducimus  
tempore sapiente quia nulla optio?  
Lorem ipsum, dolor sit amet  
consectetur adipiscing elit. Libero  
laboriosam laborum exercitationem  
autem commodi voluntas odio aliquid

Activate Windows

Go to Settings to activate Windows.