

# Sass @mixin and @include

- description : Sass @mixin and @include
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## Ref

[Sass @mixin and @include](#)

## Sass Mixins

@mixin CSS .

mixin ( ) @include .

## Defining a Mixin

mixin @mixin .

## Sass @mixin Syntax

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

“important-text” mixin :

## SCSS Syntax

```
@mixin important-text {
  color: red;
  font-size: 25px;
```

```
font-weight: bold;
border: 1px solid blue;
}
```

**Tip:**

Sass `@mixin important-text { }` 가 `@mixin important_text { }` 가 mixin !

## Using a Mixin

`@include` mixin

### Sass @include mixin Syntax:

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

- mixin ,

### SCSS Syntax:

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

### SCSS ( : mystyle.scss)

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

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

```
}
```

Sass

CSS

.

### CSS output ( :mystyle.css)

```
.danger {
  color: red;
  font-size: 25px;
  font-weight: bold;
  border: 1px solid blue;
  background-color: green;
}
```

mixin

mixin

.

### SCSS Syntax

```
@mixin special-text {
  @include important-text;
  @include link;
  @include special-border;
}
```

### Passing Variables to a Mixin

mixin

(arguments)

.

mixin

.

mixin

.

### SCSS 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
}
```

```
}
```

, border ( ) .

CSS

## CSS Output

```
.myArticle {
  border: 1px solid blue;
}

.myNotes {
  border: 2px solid red;
}
```

## Default Values for a Mixin

mixin

### SCSS Syntax:

```
@mixin bordered($color: blue, $width: 1px) {
  border: $width solid $color;
}
```

, mixin , .

### SCSS Syntax

```
.myTips {
  @include bordered($color: orange);
}
```

## Using a Minin For Vendor Prefixes

mixin vendor prefixes ( ) .

## SCSS Sybtax:

```

@mixin transform($property) {
  -webkit-transform: $property;
  -ms-transform: $property;
  transform: $property;
}

.myBox {
  @include transform(rotate(20deg));
}

```

, CSS .

```

.myBox {
  -webkit-transform: rotate(20deg);
  -ms-transform: rotate(20deg);
  transform: rotate(20deg);
}

```

., Sass, @mixin, and, @include

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