

# 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

minin @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 {}` : `@mixin important_text {}`가 `mixin` !

## Using a Mixin

`@include`    `mixin`

### Sass @include mixin Syntax:

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

important-text minin ,

### SCSS Syntax:

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

Sass

CSS

### CSS output

```
.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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