

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 {}` is the same as CSS `@mixin important_text {}` that is why you can use `@mixin important-text` in Sass but not in CSS.

Using a Mixin

`@include` mixin-name

Sass `@include` mixin Syntax:

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

`important-text` mixin

SCSS Syntax:

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

Sass `@include` mixin-name

CSS `@mixin` mixin-name

CSS output

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

mixin `@include` mixin-name

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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