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# Sass @mixin and @include

```
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```

#### Ref

Sass @mixin and @include

### **Sass Mixins**

```
@mixin CSS ...
```

# **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:
```

# **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

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#### **SCSS Syntax**

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

# **Passing Variables to a Mixin**

```
mixin (arguments) . mixin .
```

#### **SCSS Syntax**

```
/* Define mixin with two argements */
@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: lpx) {
   border: $width solid $color;
}

, mixin
```

### **SCSS Syntax**

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

# **Using a Minin For Vendor Prefixes**

mixin <u>vendor prefixes</u>(

# 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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