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

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

"important-text"   mixin   :

SCSS Syntax

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

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

Tip:
Sass   :   .
     @mixin important-text { }   @mixin important_text { }   mixin
        !

Using a Mixin

@include   mixin   .

Sass @include mixin Syntax:

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

            important-text minin   ,   .

SCSS Syntax:

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

SCSS   (: mystyle.scss)

```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)

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

mixin   mixin   .

SCSS Syntax

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

Passing Variables to a Mixin

mixin   (arguments)   .   mixin   .

        mixin   .

SCSS Syntax

```scss
/* 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

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

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

Default Values for a Mixin

mixin   .

SCSS Syntax:

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

, mixin   ,   .

SCSS Syntax

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

Using a Minin For Vendor Prefixes

mixin   vendor prefixes(   )   .

                    .

SCSS Sybtax:

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

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

, CSS   .

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

,, Sass, @mixin, and, @include