



Sass cheatsheet

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Variables

```
$red: #833;
```

```
body { color: $red; }
```

Nesting

```
.markdown-body { p { color: blue; } &:hover {  
  color: red; } }
```

Extend

```
.button { ... }
```

```
.push-button { @extend .button; }
```

Composing

```
@import './other_sass_file';
```

The .scss or .sass extension is optional.

Color functions

rgba

```
rgb(100, 120, 140) rgba(100, 120, 140, .5)  
rgba($color, .5)
```

Getting individual values

HSLA

```
hue($color) // → 0deg..360deg saturation($color)  
// → 0%..100% lightness($color) // → 0%..100%  
alpha($color) // → 0..1 (aka opacity())
```

RGB

```
red($color) // → 0..255 green($color) blue($color)
```

See: hue(), red()

Mixing

```
mix($a, $b, 10%) // 10%
```

Modifying HSLA

```
darken($color, 5%) lighten($color, 5%)
```

```
saturate($color, 5%) desaturate($color)  
grayscale($color)
```

```
adjust-hue($color, 15deg) // like adjust-hue(, 180deg)
```

```
fade-in($color, .5) // like fade-out($color, .5)  
out($color, .5) // aka the opacity rgba($color, .5)
```

Adjustments

```
// Changes by fixed amount  
$blue: 5) adjust-color($color, $blue: 5)  
like darken(, 30%) adjust-color($color, $blue: -0.4)  
// like fade-out($color, .5) like adjust-hue($color, $hue: 30deg)  
// like adjust-saturation($color, $sat: 50%)
```

```
// Changes via percentage  
$blue: 5%) adjust-color($color, $blue: 5%)  
like darken(, 30%) adjust-color($color, $blue: -0.4)  
// like fade-out($color, .5) like adjust-hue($color, $hue: 30deg)  
// like adjust-saturation($color, $sat: 50%)
```

```
$lightness: 50%)
```

```
// Changes one property  
color($color, $hue: 180  
$blue: 250)
```

```
Supported: $red $green $l  
$lightness $alpha
```

Other functions

Strings

```
unquote('hello') quote(hello)
```

```
to-upper-case(hello) to-lower-case(hello)
```

```
str-length(hello world) str-slice(hello, 2, 5) //  
"ello" - it's 1-based, not 0-based str-  
insert("abcd", "X", 1) // "xabcd"
```

Units

```
unit(3em) // 'em' unit1
```

Numbers

```
floor(3.5) ceil(3.5) ro
```

```
min(1, 2, 3) max(1, 2,
```

```
percentage(.5) // 50% r
```

Misc

```
variable-exists(red) // checks for $red mixin-  
exists(red-text) // checks for @mixin red-text  
function-exists(redify)
```

```
global-variable-exists(red)
```

```
selector-append('.menu', 'li', 'a') // .menu li a  
selector-nest('.menu', '&:hover li') // .menu:hover  
li selector-extend(...) selector-parse(...)  
selector-replace(...) selector-unify(...)
```

Feature checks

Feature check

```
feature-exists(global-variable-shadowing)
```

Features

- global-variable-shadow
- extend-selector-pseud
- units-level-3
- at-error

Loops

For loops

```
@for $i from 1 through 4 { .item-#{ $i } { left: 20px  
* $i; } }
```

Each loops (simple)

```
$menu-items: home about  
$item in $menu-items {  
  background: url('images
```

Each loops (nested)

```
$backgrounds: (home, 'home.jpg'), (about,  
'about.jpg'); @each $id, $image in $backgrounds {  
  .photo-#{ $id } { background: url($image); } }
```

While loops

```
$i: 6; @while $i > 0 {  
  $i; } $i: $i - 2; }
```

Other features

Conditionals

```
@if $position == 'left' { position: absolute; left:  
0; } @else { position: static; }
```

Interpolation

```
.#{$ $class } { ... } // C  
Functions @media #{ $tab  
height } url("#{ $backgro
```


```
$map: (key1: value1, key2: value2, key3: value3);  
map-get($map, key1)
```

```
$list: (a b c); nth($li  
length($list) @each $it
```

See also

- <http://sass-lang.com/documentation/Sass/Script/Functions.html>
- http://sass-lang.com/documentation/file.SASS_REFERENCE.html#sassscript



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