

### RGB Functions

#### **rgb(\$red, \$green, \$blue)**

Creates a Color from red, green, and blue values.

#### **rgba(\$red, \$green, \$blue, \$alpha)**

Creates a Color from red, green, blue, and alpha values.

#### **red(\$color)**

Gets the red component of a color.

#### **green(\$color)**

Gets the green component of a color.

#### **blue(\$color)**

Gets the blue component of a color.

#### **mix(\$color1, \$color2, [\$weight])**

Mixes two colors together.

### HSL Functions

#### **hsl(\$hue, \$saturation, \$lightness)**

Creates a Color from hue, saturation, and lightness values.

#### **hsla(\$hue, \$saturation, \$lightness, \$alpha)**

Creates a Color from hue, saturation, lightness, and alpha values.

#### **hue(\$color)**

Gets the hue component of a color.

#### **saturation(\$color)**

Gets the saturation component of a color.

#### **lightness(\$color)**

Gets the lightness component of a color.

#### **adjust-hue(\$color, \$degrees)**

Changes the hue of a color.

#### **lighten(\$color, \$amount)**

Makes a color lighter.

#### **darken(\$color, \$amount)**

Makes a color darker.

#### **saturate(\$color, \$amount)**

Makes a color more saturated.

#### **desaturate(\$color, \$amount)**

Makes a color less saturated.

#### **grayscale(\$color)**

### HSL Functions (cont)

Converts a color to grayscale.

#### **complement(\$color)**

Returns the complement of a color.

#### **invert(\$color)**

Returns the inverse of a color.

### Opacity Functions

#### **alpha(\$color) / opacity(\$color)**

Gets the alpha component (opacity) of a color.

#### **rgba(\$color, \$alpha)**

Changes the alpha component for a color.

#### **opacity(\$color, \$amount) / fade-in(\$color, \$amount)**

Makes a color more opaque.

#### **\*\*transparentize(\$color, \$amount) / fade-out(\$color, \$amount)**

Makes a color more transparent.

### Other Color Functions

*Visit: [Sass Function](#)*

### List Functions

*Visit [Sass Functions](#)*

### Map Functions

*Visit [Sass Functions](#)*

### Selector Functions

#### **selector-nest(\$selectors...)**

Nests selector beneath one another like they would be nested in the stylesheet.

#### **selector-replace(\$selector, \$original, \$replacement)**

Replaces \$original with \$replacement within \$selector.

*More at [Sass Functions](#)*



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Published 24th February, 2015.

Last updated 6th September, 2020.

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### String Functions

#### **unquote(\$string)**

Removes quotes from a string.

#### **quote(\$string)**

Adds quotes to a string.

#### **str-length(\$string)**

Returns the number of characters in a string.

*More at Sass Function*

### Number Functions

#### **percentage(\$number)**

Converts a unitless number to a percentage.

#### **round(\$number)**

Rounds a number to the nearest whole number.

#### **ceil(\$number)**

Rounds a number up to the next whole number.

#### **floor(\$number)**

Rounds a number down to the previous whole number.

#### **abs(\$number)**

Returns the absolute value of a number.

#### **min(\$numbers...)**

Finds the minimum of several numbers.

#### **max(\$numbers...)**

Finds the maximum of several numbers.

#### **random([\$limit])**

Returns a random number.

### Introspection Functions

#### **feature-exists(\$feature)**

Returns whether a feature exists in the current Sass runtime.

#### **variable-exists(\$name)**

Returns whether a variable with the given name exists in the current scope.

#### **global-variable-exists(\$name)**

Returns whether a variable with the given name exists in the global scope.

### Introspection Functions (cont)

#### **function-exists(\$name)**

Returns whether a function with the given name exists.

#### **mix-in-exists(\$name)**

Returns whether a mixin with the given name exists.

#### **inspect(\$value)**

Returns the string representation of a value as it would be represented in Sass.

#### **type-of(\$value)**

Returns the type of a value.

#### **unit(\$number)**

Returns the unit(s) associated with a number.

#### **unitless(\$number)**

Returns whether a number has units.

#### **comparable(\$number1, \$number2)**

Returns whether two numbers can be added, subtracted, or compared.

#### **call(\$name, \$args...)**

Dynamically calls a Sass function.

### Miscellaneous Functions

#### **if(\$condition, \$if-true, \$if-false)**

Returns one of two values, depending on whether or not \$condition is true.

#### **unique-id()**

Returns a unique CSS identifier.

### Cheat Sheet Info:

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Source: **Sass-Lang.com Docs**

Date Created: **2015/02/24**



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