

# Converting Colors

Hex(51AA9A)

Have a look what the booklet for  
Hex(51AA9A) contains.

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**Color**

**Hex(51AA9A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51AA9A
RGB	81, 170, 154
RGB Percent	32%, 67%, 60%
CMY	0.6824, 0.3333, 0.3961
CMYK	0.52, 0.00, 0.09, 0.33
HSL	169°, 35%, 49%
HSV	169°, 52%, 67%
XYZ	23.6008, 32.8319, 35.6651
YIQ	141.5650, -47.9080, -23.8440

# Conversions

## Conversions Part 2

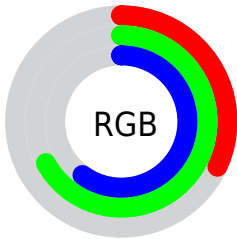
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 130, 170
Decimal	5352090
CIELab	64.02, -30.67, 0.11
CIElCh	64, 30.666, 179.800
Yxy	32.8319, 0.2563, 0.3565
Android (android.graphics.Color)	4283542170 (0xFF51AA9A)
YUV	141.5650, 6.1305, -53.1155
Hunter-Lab	57.2991, -26.7515, 3.2050

# Details

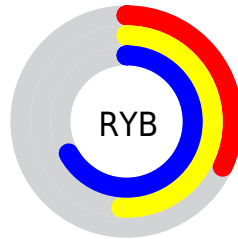
The Hex color **51AA9A** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **AA5161**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **89E2D0**, and **0E7567** is the 20% darker color. If you saturate the color by 10%, you get **40AA97**, and if you desaturate by 10%, it is **62AA9D**.

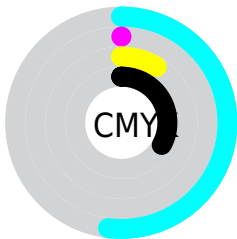
# Distribution



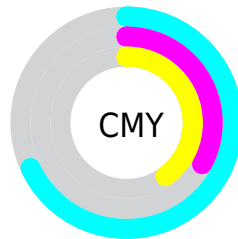
- Red (32%)
- Green (67%)
- Blue (60%)



- Red (32%)
- Yellow (51%)
- Blue (67%)



- Cyan (52%)
- Magenta (0%)
- Yellow (9%)
- Black (33%)



- Cyan (68%)
- Magenta (33%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51AA9A changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Hex color 51AA9A by changing the saturation by 10% instead.



■ 51AA9A

■ 51AA9A

FFFFFF

■ 348F80

■ 89E2D0

■ 0E7567

■ A5FFED

■ 005C4F

■ C2FFFF

■ 004438

■ DFFFFF

■ 002D23

■ FFFFFFFF

■ 00170D

■ 000000

■ 51AA9A

■ 51AA9A

■ 40AA97

■ 62AA9D

■ 2FAA94

■ 73AAA0

■ 1EAA91

■ 84AAA3

■ 0DAA8E

■ 95AAA6

■ 00AA8B

■ A6AAA9

■ B7AAAC

■ C8AAAF

■ D9AAB2

■ EAAAB6

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71A77F



51AA9A



3DA9B5

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



51AA9A



9E94CB



C4906D

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



51AA9A



AA5161

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



D08981



51AA9A



BE8BB7

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



51AA9A



769ED1



CF879C



AE9964

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



51AA9A



44A7C4



CF879C



CA8D72



# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



51AA9A



BADED7



61AA51



5B706C



F0F0F0



707070



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



51AA9A



52DEC5



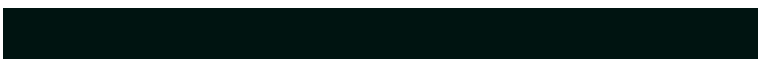
518EAA



4C5453



009479



001411



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



AA5161



DE526B



AA6D51



544C4D



94001B

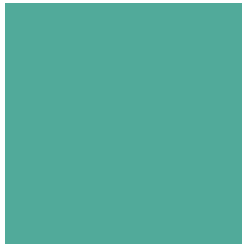


140004



# Previews

## White Background



This preview shows how the Hex color 51AA9A looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 51AA9A looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

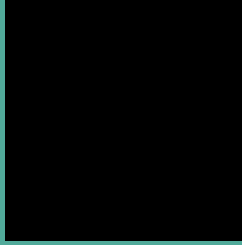
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 51AA9A Background



This preview shows how black text looks on a background with the Hex color 51AA9A.

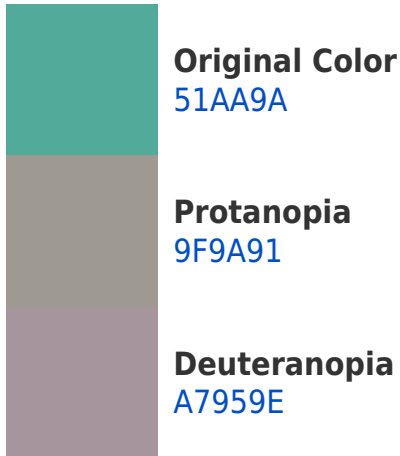


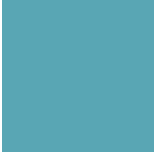
This preview shows how white text looks on a background with the Hex color 51AA9A.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



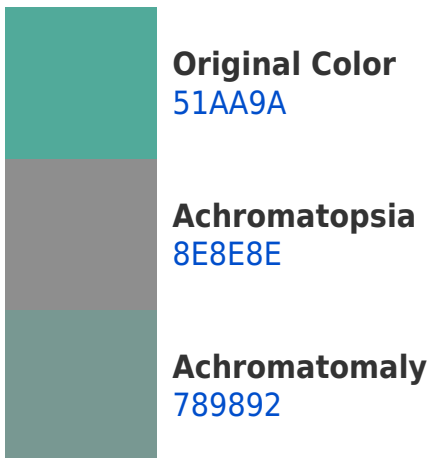


**Tritanopia**  
59A6B4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51AA9A is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color #51AA9A looks like.

```
.text, #text, p{  
    color:#51AA9A  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel #51AA9A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51AA9A
}
```

## Border

The CSS property to change the border of an element to Hex 51AA9A is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#51AA9A }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:#51AA9A }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel #51AA9A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51AA9A; -webkit-box-shadow:4px 4px  
4px 4px #51AA9A; box-shadow:4px 4px 4px  
4px #51AA9A }
```

# Background

The CSS property to change the background color of an element to Hex 51AA9A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51AA9A }
```

If only the background color should be changed can be used:

```
.background{ background-color:#51AA9A }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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