

# Converting Colors

Hex(51B9BF)

Have a look what the booklet for  
Hex(51B9BF) contains.

<b>Hex(51B9BF)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(51B9BF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51B9BF
RGB	81, 185, 191
RGB Percent	32%, 73%, 75%
CMY	0.6824, 0.2745, 0.2510
CMYK	0.58, 0.03, 0.00, 0.25
HSL	183°, 46%, 53%
HSV	183°, 58%, 75%
XYZ	30.1463, 40.2088, 55.4624
YIQ	154.5880, -63.9100, -20.1820

# Conversions

## Conversions Part 2

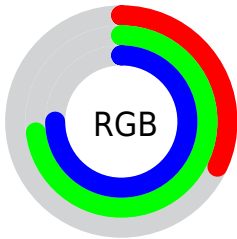
Format	Color
<b>R<sub>YB</sub></b>	81, 134, 191
Decimal	5355967
CIE <sub>Lab</sub>	69.62, -28.06, -12.11
CIE <sub>LCh</sub>	70, 30.560, 203.343
Yxy	40.2088, 0.2396, 0.3196
Android (android.graphics.Color)	4283546047 (0xFF51B9BF)
YUV	154.5880, 17.9511, -64.5367
Hunter-Lab	63.4104, -26.1067, -7.4711

# Details

The Hex color **51B9BF** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **BF5751**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **8CF1F7**, and **00838A** is the 20% darker color. If you saturate the color by 10%, you get **3EB8BF**, and if you desaturate by 10%, it is **64BABF**.

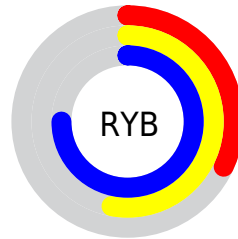
# Distribution



Red (32%)

Green (73%)

Blue (75%)



Red (32%)

Yellow (53%)

Blue (75%)

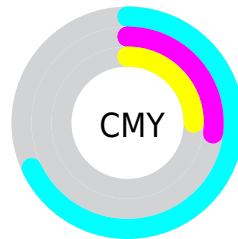


Cyan (58%)

Magenta (3%)

Yellow (0%)

Black (25%)



Cyan (68%)

Magenta (27%)

Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51B9BF 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 51B9BF by changing the saturation by 10% instead.



■ 51B9BF

FFFFFF

■ 8CF1F7

■ AAFFFF

■ C7FFFF

■ E5FFFF

■ 51B9BF

■ 309EA4

■ 00838A

■ 006A70

■ 005158

■ 003A41

■ 00242A

■ 000117

■ 000000

■ 51B9BF

■ 51B9BF

 3EB8BF

 64BABF

 2BB7BF

 77BBBF

 18B6BF

 8ABCBF

 05B5BF

 9DBDBF

 00B5BF

 B1BEBF

 C4BFBF

 D7C0BF

 EAC1BF

 FDC2BF

# Harmonies

## Analogous

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



67B9A3



51B9BF



59B6D6

# Triad

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



51B9BF



C79CCB



C3A673

# Complementary

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



51B9BF



BF5751

# 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.



D89D7F



51B9BF



DC96B1

# Square

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



51B9BF



A5A5DD



E19695



A7AF77

# Rectangle

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



51B9BF



6FB1DE



E19695



CBA375

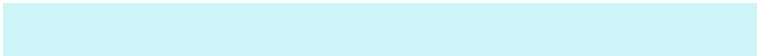


# Sweetspot

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



51B9BF



CDF5F7



51BF56



647C7D



FCFCFC



7D7D7D



# Same Dimension

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



51B9BF



4DEEF7



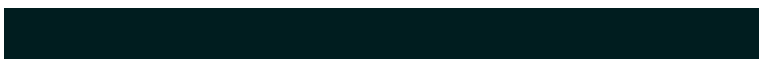
5183BF



555E5E



00959E



001D1F



# Inverse Universe

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



BF51B9



F74DEE



BF8D51



5E555E



9E0095



1F001D



# Previews

## White Background



This preview shows how the Hex color 51B9BF looks on a white background.

## Color Contrast Check

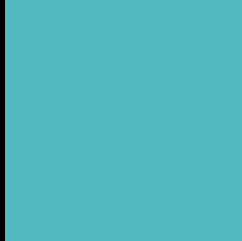
Large Text (above 18pt) WCAG AA × Fail

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 51B9BF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

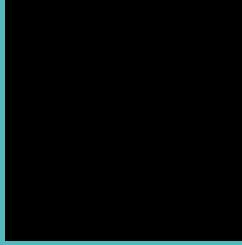
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

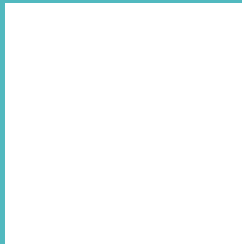
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 51B9BF Background



This preview shows how black text looks on a background with the Hex color 51B9BF.

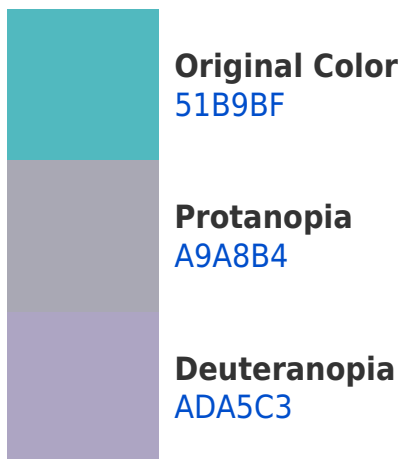


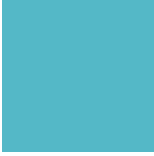
This preview shows how white text looks on a background with the Hex color 51B9BF.

# 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](#).

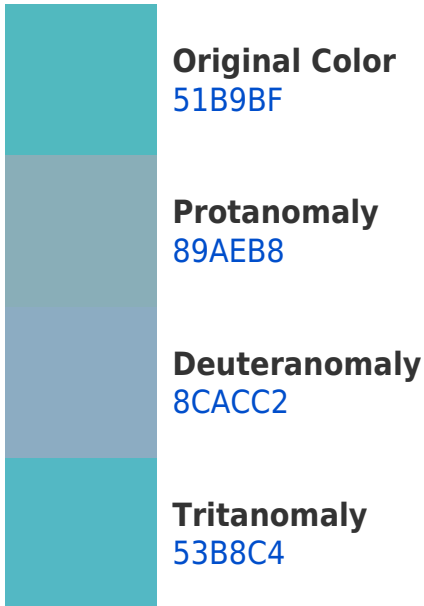
## Dichromacy



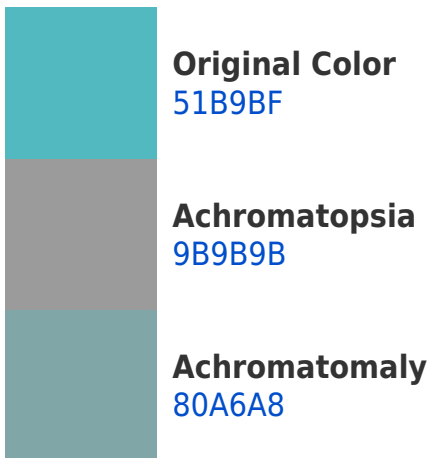


**Tritanopia**  
54B8C7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51B9BF 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 #51B9BF looks like.

```
.text, #text, p{  
    color:#51B9BF  
}
```

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 #51B9BF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51B9BF
}
```

## Border

The CSS property to change the border of an element to Hex 51B9BF 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
#51B9BF }
```

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

```
.border{ border-color:#51B9BF }
```

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

Here you see how a box with a 4 pixel #51B9BF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51B9BF; -webkit-box-shadow:4px 4px  
4px 4px #51B9BF; box-shadow:4px 4px 4px  
4px #51B9BF }
```

# Background

The CSS property to change the background color of an element to Hex 51B9BF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51B9BF }
```

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

```
.background{ background-color:#51B9BF }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor