

# Converting Colors

Hex(51ACBF)

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

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# **Color**

**Hex(51ACBF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51ACBF
RGB	81, 172, 191
RGB Percent	32%, 67%, 75%
CMY	0.6824, 0.3255, 0.2510
CMYK	0.58, 0.10, 0.00, 0.25
HSL	190°, 46%, 53%
HSV	190°, 58%, 75%
XYZ	27.5498, 35.0160, 54.5969
YIQ	146.9570, -60.3350, -13.3830

# Conversions

## Conversions Part 2

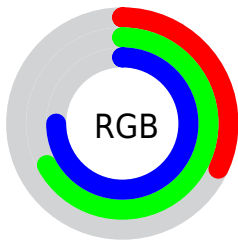
Format	Color
<b>RYB</b>	81, 131, 191
Decimal	5352639
CIELab	65.76, -21.52, -17.92
CIELCh	66, 28.005, 219.792
Yxy	35.0160, 0.2351, 0.2989
Android (android.graphics.Color)	4283542719 (0xFF51ACBF)
YUV	146.9570, 21.7132, -57.8443
Hunter-Lab	59.1743, -20.4506, -13.2817

# Details

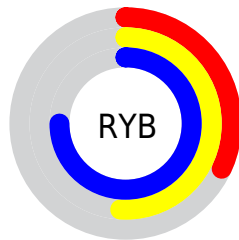
The Hex color **51ACBF** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **BF6451**, and the grayscale version is **939393**.

A 20% lighter version of the original color is **8BE4F7**, and **00778A** is the 20% darker color. If you saturate the color by 10%, you get **3EA9BF**, and if you desaturate by 10%, it is **64AFBF**.

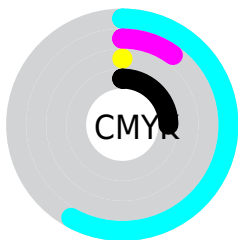
# Distribution



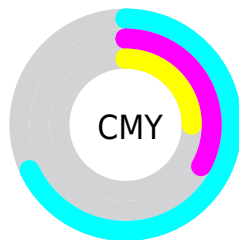
- Red (32%)
- Green (67%)
- Blue (75%)



- Red (32%)
- Yellow (51%)
- Blue (75%)



- Cyan (58%)
- Magenta (10%)
- Yellow (0%)
- Black (25%)



- Cyan (68%)
- Magenta (33%)
- Yellow (25%)

# Brightness & Saturation Gradients

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



■ 51ACBF

■ 51ACBF

FFFFFF

■ 3191A4

■ 8BE4F7

■ 00778A

■ A8FFFF

■ 005F70

■ C5FFFF

■ 004758

■ E3FFFF

■ 003040

■ 001D2A

■ 000116

■ 000000

■ 51ACBF

■ 51ACBF

3EA9BF

64AFBF

2BA5BF

77B3BF

18A2BF

8AB6BF

059FBF

9DB9BF

009EBF

B1BCBF

C4C0BF

D7C3BF

EAC6BF

FDCABF

# Harmonies

## Analogous

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



57AEA7



51ACBF



67A7CE

# Triad

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



51ACBF



C78FB2



A9A16E

# Complementary

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



51ACBF



BF6451

# 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.



C09871



51ACBF



D28D98

# Square

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



51ACBF



AE96C6



CF9181



8DA879

# Rectangle

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



51ACBF



7FA2D2



CF9181



B29E6E



# Sweetspot

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



51ACBF



CDF0F7



51BF63



64797D



FCFCFC



7D7D7D



# Same Dimension

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



51ACBF



4DDAF7



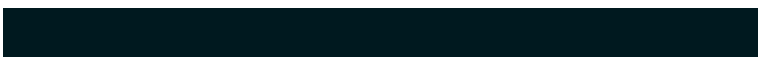
5176BF



555D5E



00839E



00191F



# Inverse Universe

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



BF51AC



F74DDA



BF9A51



5E555D



9E0083

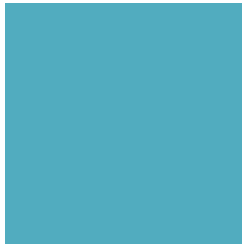


1F0019



# Previews

## White Background



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

## Color Contrast Check

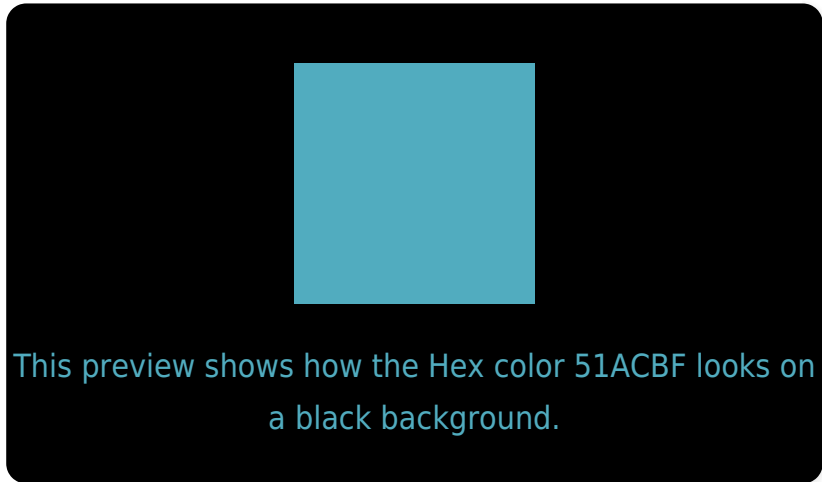
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

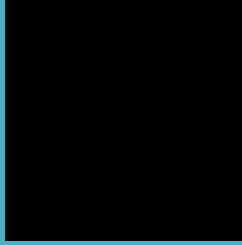
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 51ACBF Background



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

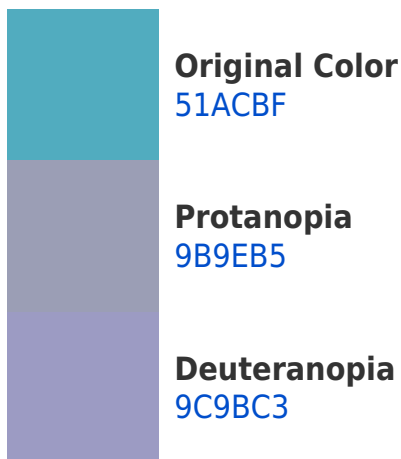


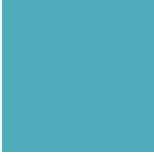
This preview shows how white text looks on a background with the Hex color 51ACBF.

# Color Blindness Simulation

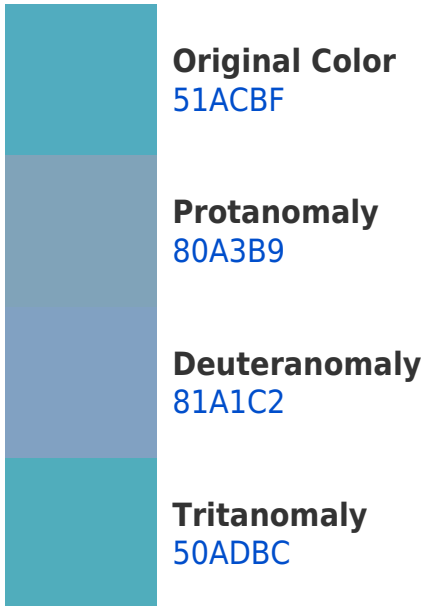
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

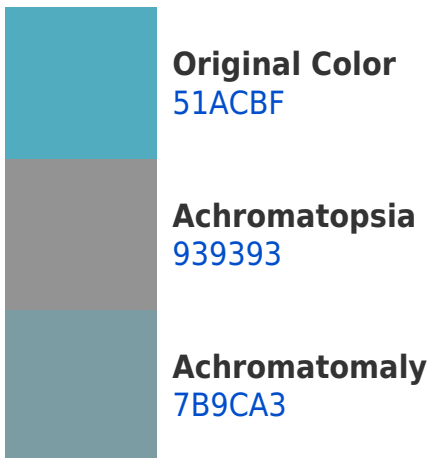




# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #51ACBF colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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