

# Converting Colors

Hex(51A6CF)

Have a look what the booklet for  
Hex(51A6CF) contains.

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# **Color**

**Hex(51A6CF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51A6CF
RGB	81, 166, 207
RGB Percent	32%, 65%, 81%
CMY	0.6824, 0.3490, 0.1882
CMYK	0.61, 0.20, 0.00, 0.19
HSL	200°, 57%, 56%
HSV	200°, 61%, 81%
XYZ	28.2920, 33.5268, 64.0116
YIQ	145.2590, -63.8210, -5.2690

# Conversions

## Conversions Part 2

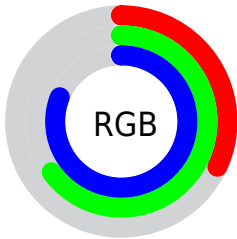
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 132, 207
Decimal	5351119
CIELab	64.59, -13.50, -28.60
CIElCh	65, 31.632, 244.727
Yxy	33.5268, 0.2248, 0.2664
Android (android.graphics.Color)	4283541199 (0xFF51A6CF)
YUV	145.2590, 30.4383, -56.3551
Hunter-Lab	57.9023, -14.1109, -25.0142

# Details

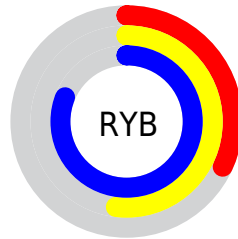
The Hex color **51A6CF** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **CF7A51**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **8DDDFE**, and **007299** is the 20% darker color. If you saturate the color by 10%, you get **3C9FCF**, and if you desaturate by 10%, it is **66ADCF**.

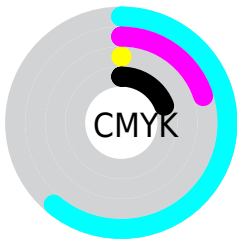
# Distribution



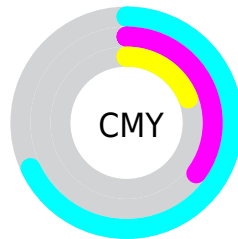
- Red (32%)
- Green (65%)
- Blue (81%)



- Red (32%)
- Yellow (52%)
- Blue (81%)



- Cyan (61%)
- Magenta (20%)
- Yellow (0%)
- Black (19%)



- Cyan (68%)
- Magenta (35%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 51A6CF 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 51A6CF by changing the saturation by 10% instead.



■ 51A6CF

■ 51A6CF

FFFFFF

■ 2F8CB3

■ 8DDDFE

■ 007299

■ AAFAFF

■ 005A7E

■ C7FFFF

■ 004265

■ E5FFFF

■ 002C4D

■ 001936

■ 000220

■ 000005

■ 000000

■ 51A6CF

■ 51A6CF

■ 3C9FCF

■ 66ADCF

■ 2899CF

■ 7AB3CF

■ 1392CF

■ 8FBACF

■ 008CCF

■ A4C1CF

■ B9C8CF

■ CDCECF

■ E2D5CF

■ F7DCCF

■ FFE3CF

# Harmonies

## Analogous

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



38ABBC



51A6CF



7D9ED5

# Triad

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



51A6CF



D38799



8DA56D

# Complementary

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



51A6CF



CF7A51

# 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.



AC9C64



51A6CF



D28A7E

# Square

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



51A6CF



C48BB5



C4936A



6CAA84

# Rectangle

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



51A6CF



9997D0



C4936A



98A269

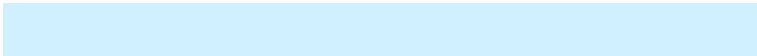


# Sweetspot

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



51A6CF



D1F0FF



51CF79



637680



000000



808080



# Same Dimension

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



51A6CF



45C2FF



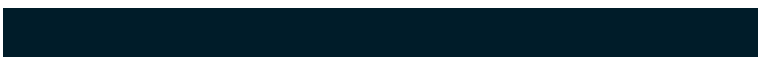
5168CF



5E6569



0072A8



001C29



# Inverse Universe

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



CF51A6



FF45C2



CFB851



695E65



A80072

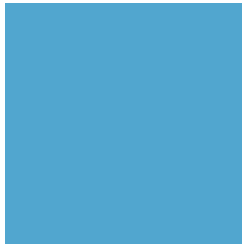


29001C



# Previews

## White Background



This preview shows how the Hex color 51A6CF looks on a white background.

## Color Contrast Check

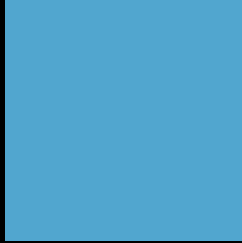
Large Text (above 18pt) WCAG AA × Fail

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 51A6CF 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 51A6CF Background



This preview shows how black text looks on a background with the Hex color 51A6CF.

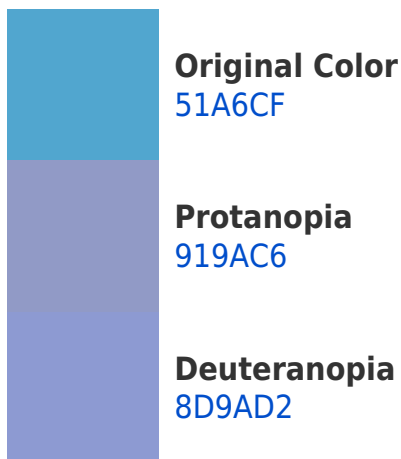


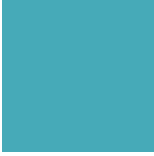
This preview shows how white text looks on a background with the Hex color 51A6CF.

# 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](#).

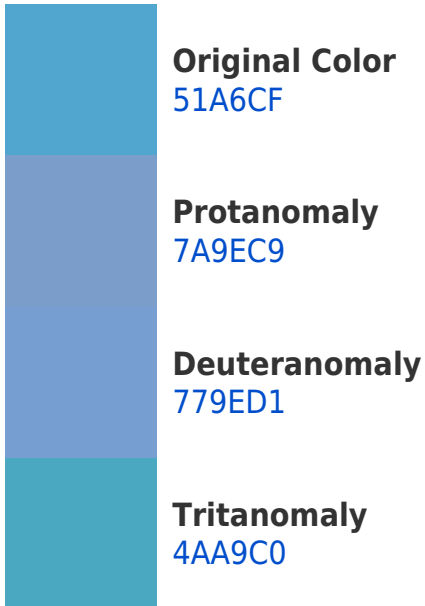
## Dichromacy



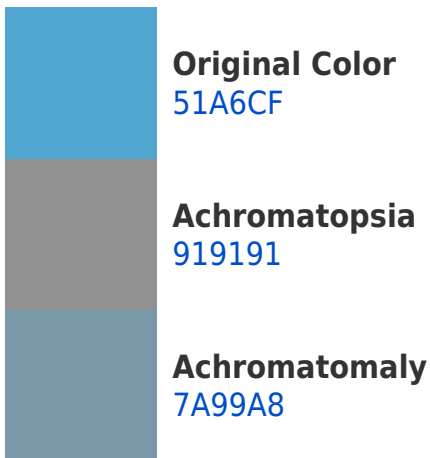


**Tritanopia**  
46AAB8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 51A6CF 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 #51A6CF looks like.

```
.text, #text, p{  
    color:#51A6CF  
}
```

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 #51A6CF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #51A6CF
}
```

## Border

The CSS property to change the border of an element to Hex 51A6CF 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
#51A6CF }
```

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

```
.border{ border-color:#51A6CF }
```

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

Here you see how a box with a 4 pixel #51A6CF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #51A6CF; -webkit-box-shadow:4px 4px  
4px 4px #51A6CF; box-shadow:4px 4px 4px  
4px #51A6CF }
```

# Background

The CSS property to change the background color of an element to Hex 51A6CF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#51A6CF }
```

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

```
.background{ background-color:#51A6CF }
```

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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