

# Converting Colors

Hex(51CBDD)

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

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# **Color**

**Hex(51CBDD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	51CBDD
RGB	81, 203, 221
RGB Percent	32%, 80%, 87%
CMY	0.6824, 0.2039, 0.1333
CMYK	0.63, 0.08, 0.00, 0.13
HSL	188°, 67%, 59%
HSV	188°, 63%, 87%
XYZ	37.8004, 49.6817, 76.0038
YIQ	168.5740, -78.4900, -20.2660

# Conversions

## Conversions Part 2

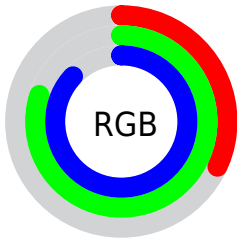
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 146, 221
Decimal	5360605
CIELab	75.87, -28.31, -19.01
CIELCh	76, 34.101, 213.884
Yxy	49.6817, 0.2312, 0.3039
Android (android.graphics.Color)	4283550685 (0xFF51CBDD)
YUV	168.5740, 25.8460, -76.8024
Hunter-Lab	70.4852, -27.6216, -14.5924

# Details

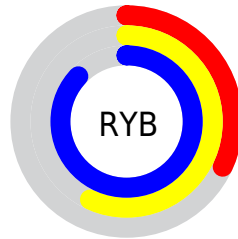
The Hex color **51CBDD** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **DD6351**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **90FFFF**, and **0095A6** is the 20% darker color. If you saturate the color by 10%, you get **3BC8DD**, and if you desaturate by 10%, it is **67CEDD**.

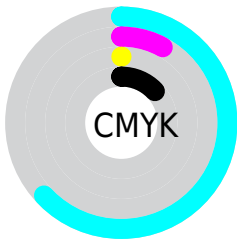
# Distribution



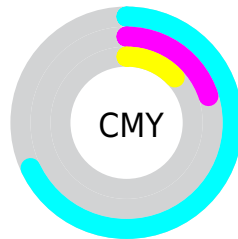
- Red (32%)
- Green (80%)
- Blue (87%)



- Red (32%)
- Yellow (57%)
- Blue (87%)



- Cyan (63%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)



- Cyan (68%)
- Magenta (20%)
- Yellow (13%)

# Brightness & Saturation Gradients

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



 51CBDD

 51CBDD

FFFFFF

 2AAFC1

 90FFFF

 0095A6

 AEFFFF

 007A8C

 CDFFFF

 006172

 EBFFFF

 004959

 003242

 001E2C

 000117

 000000

 51CBDD

 51CBDD

 3BC8DD

 67CEDD

 25C5DD

 7DD1DD

 0FC2DD

 93D4DD

 00C1DD

 A9D6DD

 C0D9DD

 D6DCDD

 EDCFDD

 FFE2DD

 FFE5DD

# Harmonies

## Analogous

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



62CCBE



51CBDD



69C6F3

# Triad

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



51CBDD



E7A8D7



CDBA7C

# Complementary

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



51CBDD



DD6351

# 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.



E8B083



51CBDD



F8A3B8

# Square

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



51CBDD



C5B1EF



F8A799



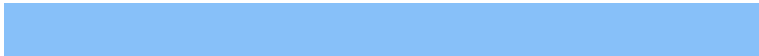
ABC486

# Rectangle

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



51CBDD



87C0F9



F8A799



D7B77C

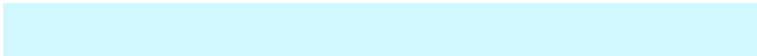


# Sweetspot

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



51CBDD



CFF9FF



51DD61



627C80



000000



808080

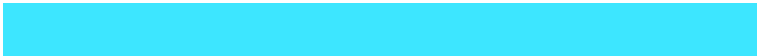


# Same Dimension

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



51CBDD



3DE6FF



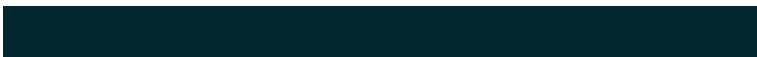
5187DD



636C6E



0097AD



00282E



# Inverse Universe

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



DD51CB



FF3DE6



DDA751



6E636C



AD0097

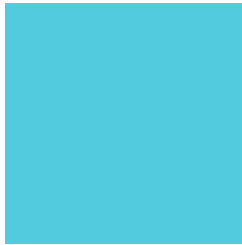


2E0028



# Previews

## White Background



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

## Color Contrast Check

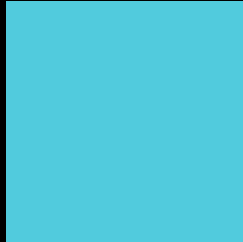
Large Text (above 18pt) WCAG AA × Fail

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 51CBDD looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

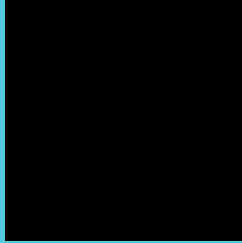
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 51CBDD Background



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

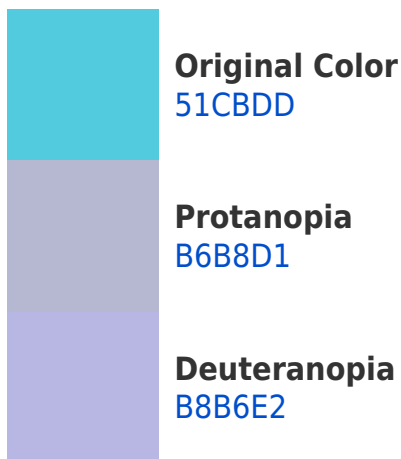


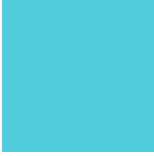
This preview shows how white text looks on a background with the Hex color 51CBDD.

# 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](#).

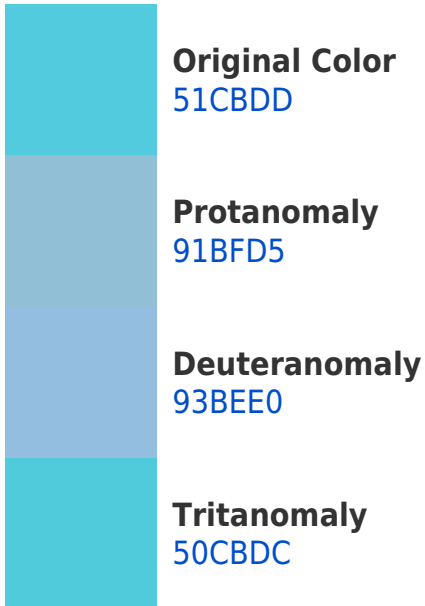
## Dichromacy





**Tritanopia**  
50CBDC

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #51CBDD colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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