

# Converting Colors

Hex(5BD0CF)

Have a look what the booklet for  
Hex(5BD0CF) contains.

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# **Color**

**Hex(5BD0CF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5BD0CF
RGB	91, 208, 207
RGB Percent	36%, 82%, 81%
CMY	0.6431, 0.1843, 0.1882
CMYK	0.56, 0.00, 0.00, 0.18
HSL	179°, 55%, 59%
HSV	179°, 56%, 82%
XYZ	38.1327, 51.8409, 67.0280
YIQ	172.9030, -69.4110, -25.1150

# Conversions

## Conversions Part 2

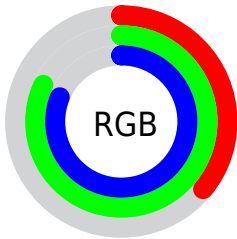
Format	Color
<b>RYB</b>	91, 150, 208
Decimal	6017231
CIELab	77.19, -32.89, -9.47
CIELCh	77, 34.228, 196.063
Yxy	51.8409, 0.2429, 0.3302
Android (android.graphics.Color)	4284207311 (0xFF5BD0CF)
YUV	172.9030, 16.8098, -71.8289
Hunter-Lab	72.0006, -31.4645, -4.7948

# Details

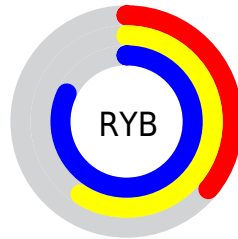
The Hex color **5BD0CF** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **D05B5C**, and the grayscale version is **ADADAD**.

A 20% lighter version of the original color is **97FFFF**, and **029999** is the 20% darker color. If you saturate the color by 10%, you get **46D0CF**, and if you desaturate by 10%, it is **70D0CF**.

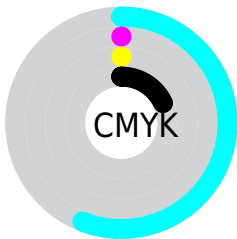
# Distribution



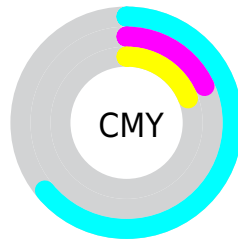
- Red (36%)
- Green (82%)
- Blue (81%)



- Red (36%)
- Yellow (59%)
- Blue (82%)



- Cyan (56%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)



- Cyan (64%)
- Magenta (18%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5BD0CF 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 5BD0CF by changing the saturation by 10% instead.



 5BD0CF

 5BD0CF

FFFFFF

 3AB4B3

 97FFFF

 029999

 B5FFFF

 007F7F

 D3FFFF

 006566

 F1FFFF

 004D4E

 003537

 002222

 00000B

 000000

■ 5BD0CF

■ 5BD0CF

■ 46D0CF

■ 70D0CF

■ 31D0CF

■ 85D0CF

■ 1DD0CE

■ 99D0D0

■ 08D0CE

■ AED0D0

■ 00D0CE

■ C3D0D0

■ D8D0D0

■ EDD0D0

■ FFD0D0

■ FFD0D1

# Harmonies

## Analogous

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



7ACFAE



5BD0CF



5ACDEB

# Triad

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



5BD0CF



D8B1EB



E2B881

# Complementary

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



5BD0CF



D05B5C

# 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.



F7AD92



5BD0CF



F4A8CF

# Square

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



5BD0CF



AEBCFB



FEA7AF



C3C281

# Rectangle

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



5BD0CF



6FC9F8



FEA7AF



EAB485



# Sweetspot

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



5BD0CF



D4FFFF



5DD05B



66807F



000000



808080



# Same Dimension

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



5BD0CF



52FFFE



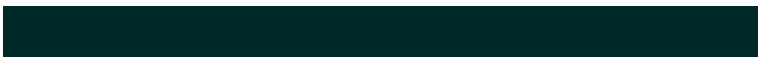
5B97D0



5E6968



00A8A7



002928



# Inverse Universe

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



D05B5C



FF5253



D0945B



695E5E



A80001

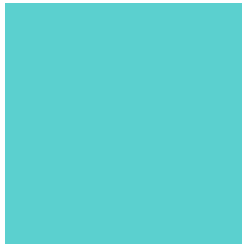


290000



# Previews

## White Background



This preview shows how the Hex color 5BD0CF looks on a white background.

## Color Contrast Check

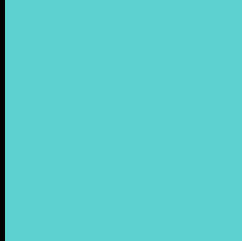
Large Text (above 18pt) WCAG AA × Fail

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 5BD0CF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

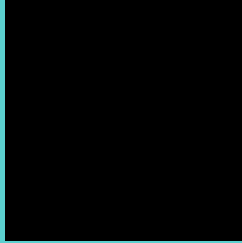
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

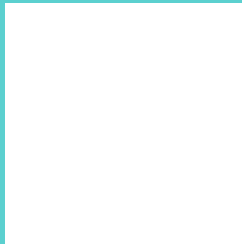
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 5BD0CF Background



This preview shows how black text looks on a background with the Hex color 5BD0CF.

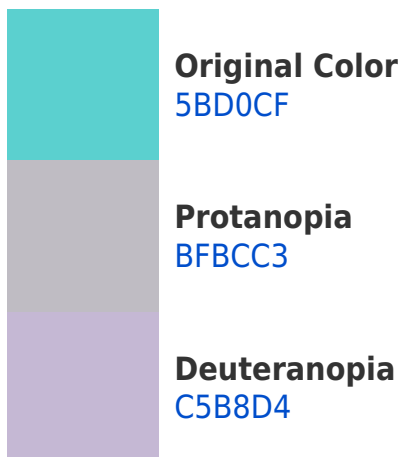


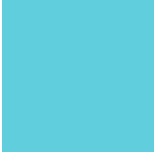
This preview shows how white text looks on a background with the Hex color 5BD0CF.

# 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



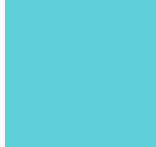
**Original Color**  
5BD0CF



**Protanomaly**  
9BC3C7



**Deuteranomaly**  
9EC1D2

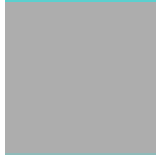


**Tritanomaly**  
5FCFD9

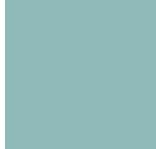
# Monochromacy



**Original Color**  
5BD0CF



**Achromatopsia**  
ADADAD



**Achromatomaly**  
8FBAB9

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5BD0CF 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 #5BD0CF looks like.

```
.text, #text, p{  
    color:#5BD0CF  
}
```

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 #5BD0CF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5BD0CF
}
```

## Border

The CSS property to change the border of an element to Hex 5BD0CF 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
#5BD0CF }
```

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

```
.border{ border-color:#5BD0CF }
```

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

Here you see how a box with a 4 pixel #5BD0CF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5BD0CF; -webkit-box-shadow:4px 4px  
4px 4px #5BD0CF; box-shadow:4px 4px 4px  
4px #5BD0CF }
```

# Background

The CSS property to change the background color of an element to Hex 5BD0CF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5BD0CF }
```

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

```
.background{ background-color:#5BD0CF }
```

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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