

# Converting Colors

Hex(05CBD5)

Have a look what the booklet for  
Hex(05CBD5) contains.

|  |    |
|--|----|
| <b>Hex(05CBD5)</b> .....                       | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 11 |
| <b><i>Previews</i></b> .....                   | 23 |
| <b><i>Color Blindness Simulation</i></b> ..... | 26 |
| <b><i>CSS Examples</i></b> .....               | 29 |

# Color

**Hex(05CBD5)**

# Conversions

## Conversions Part 1

| Format      | Color                         |
|-------------|-------------------------------|
| Hex         | 05CBD5                        |
| RGB         | 5, 203, 213                   |
| RGB Percent | 2%, 80%, 84%                  |
| CMY         | 0.9804, 0.2039, 0.1647        |
| CMYK        | 0.98, 0.05, 0.00, 0.16        |
| HSL         | 183°, 95%, 43%                |
| HSV         | 183°, 98%, 84%                |
| XYZ         | 33.4288, 47.5482, 70.3666     |
| YIQ         | 144.9380, -121.2180, -38.8660 |

# Conversions

## Conversions Part 2

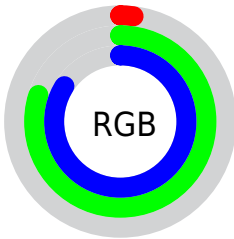
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 5, 106, 213                     |
| Decimal                             | 379861                          |
| CIELab                              | 74.54, -37.32, -16.81           |
| CIELCh                              | 75, 40.930, 204.253             |
| Yxy                                 | 47.5482, 0.2209,<br>0.3142      |
| Android<br>(android.graphics.Color) | 4278569941<br>(0xFF05CBD5)      |
| YUV                                 | 144.9380, 33.5546,<br>-122.7256 |
| Hunter-Lab                          | 68.9552, -34.1367,<br>-12.2349  |

# Details

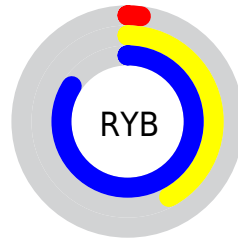
The Hex color **05CBD5** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **D50F05**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **6CFFFF**, and **00949E** is the 20% darker color. If you saturate the color by 10%, you get **00CBD5**, and if you desaturate by 10%, it is **1ACCD5**.

# Distribution



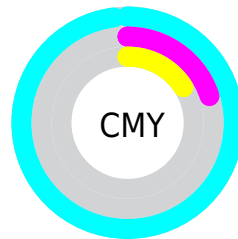
- Red (2%)
- Green (80%)
- Blue (84%)



- Red (2%)
- Yellow (42%)
- Blue (84%)



- Cyan (98%)
- Magenta (5%)
- Yellow (0%)
- Black (16%)



- Cyan (98%)
- Magenta (20%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 05CBD5 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 05CBD5 by changing the saturation by 10% instead.



 05CBD5

 05CBD5

FFFFFF

 00AFB9

 6CFFFF

 00949E

 8EFFFF

 007A84

 AEFFFF

 00606B

 CDFFFF

 004853

 EDFFFF

 00303C

 001A26

 000111

 000000

 05CBD5

 05CBD5

 00CBD5

 1ACCD5

 30CDD5

 45CED5

 5ACFD5

 6FD0D5

 85D1D5

 9AD2D5

 AFD3D5

 C5D4D5

# Harmonies

## Analogous

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



51CBAF



05CBD5



27C7F3

# Triad

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



05CBD5



E0A3E4



D7B36C

# Complementary

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



05CBD5



D50F05

# 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.



F3A67C



05CBD5



FB9AC0

# Square

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



05CBD5



B1B0FC



FF9C9A



B1BE71

# Rectangle

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



05CBD5



5BC1FF



FF9C9A



E1AE6F



# Sweetspot

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



05CBD5



B5FBFF



05D50C



537D80



000000



808080



# Same Dimension

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



05CBD5



00F3FF



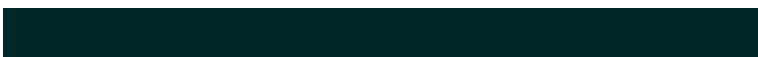
0566D5



606B6B



00A3AB



00292B



# Inverse Universe

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



D505CB



FF00F3



D57405



6B606B



AB00A3

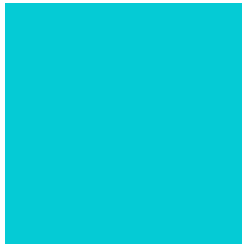


2B0029



# Previews

## White Background



This preview shows how the Hex color 05CBD5 looks on a white background.

## Color Contrast Check

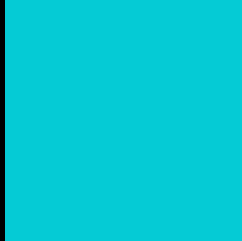
Large Text (above 18pt) WCAG AA × Fail

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 05CBD5 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

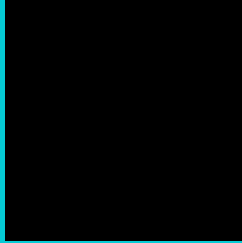
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 05CBD5 Background



This preview shows how black text looks on a background with the Hex color 05CBD5.

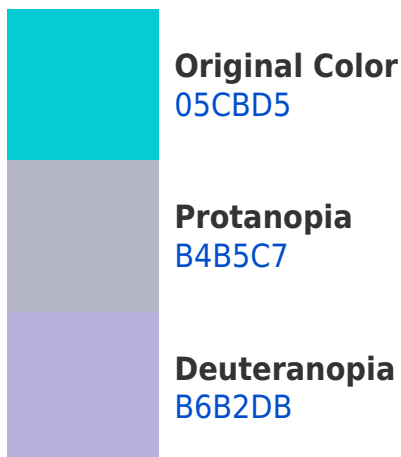


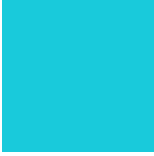
This preview shows how white text looks on a background with the Hex color 05CBD5.

# 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**  
19CADB

# Trichromacy



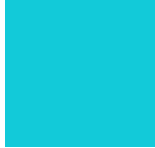
**Original Color**  
05CBD5



**Protanomaly**  
74BDCC



**Deuteranomaly**  
76BBD9



**Tritanomaly**  
12CAD9

# Monochromacy



**Original Color**  
05CBD5



**Achromatopsia**  
919191



**Achromatomaly**  
5EA6AA

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 05CBD5 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 #05CBD5 looks like.

```
.text, #text, p{  
    color:#05CBD5  
}
```

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 #05CBD5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #05CBD5
}
```

## Border

The CSS property to change the border of an element to Hex 05CBD5 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
#05CBD5 }
```

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

```
.border{ border-color:#05CBD5 }
```

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

Here you see how a box with a 4 pixel #05CBD5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #05CBD5; -webkit-box-shadow:4px 4px  
4px 4px #05CBD5; box-shadow:4px 4px 4px  
4px #05CBD5 }
```

# Background

The CSS property to change the background color of an element to Hex 05CBD5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#05CBD5 }
```

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

```
.background{ background-color:#05CBD5 }
```

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