

# Converting Colors

Hex(00BCD5)

Have a look what the booklet for  
Hex(00BCD5) contains.

<b>Hex(00BCD5)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(00BCD5)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BCD5
RGB	0, 188, 213
RGB Percent	0%, 74%, 84%
CMY	1.0000, 0.2627, 0.1647
CMYK	1.00, 0.12, 0.00, 0.16
HSL	187°, 100%, 42%
HSV	187°, 100%, 84%
XYZ	29.9935, 40.7705, 69.2395
YIQ	134.6380, -120.0730, -32.0810

# Conversions

## Conversions Part 2

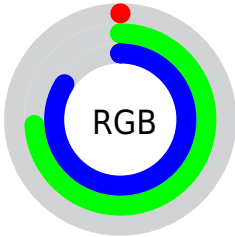
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 100, 213
Decimal	48341
CIELab	70.01, -30.35, -23.69
CIELCh	70, 38.495, 217.972
Yxy	40.7705, 0.2142, 0.2912
Android (android.graphics.Color)	4278238421 (0xFF00BCD5)
YUV	134.6380, 38.6325, -118.0775
Hunter-Lab	63.8518, -27.8929, -19.5965

# Details

The Hex color **00BCD5** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed azure. A complement of this color would be **D51900**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **69F5FF**, and **00869E** is the 20% darker color. If you saturate the color by 10%, you get **00BCD5**, and if you desaturate by 10%, it is **15BED5**.

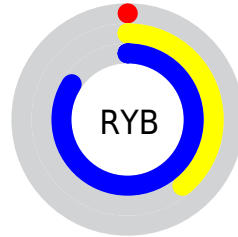
# Distribution



Red (0%)

Green (74%)

Blue (84%)



Red (0%)

Yellow (39%)

Blue (84%)

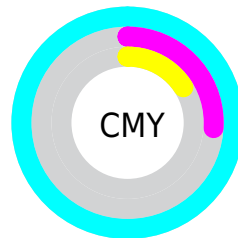


Cyan (100%)

Magenta (12%)

Yellow (0%)

Black (16%)



Cyan (100%)

Magenta (26%)

Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00BCD5 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 00BCD5 by changing the saturation by 10% instead.



 00BCD5

 00BCD5

FFFFFF

 00A1B9

 69F5FF

 00869E

 8AFFFF

 006D84

 AAFFFF

 00546B

 CAFFFF

 003C53

 E9FFFF

 00273B

 000326

 00010F

 000000

 00BCD5

 15BED5

 2BC1D5

 40C3D5

 55C6D5

 6BC8D5

 80CBD5

 95CDD5

 AAD0D5

 C0D3D5

# Harmonies

## Analogous

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



34BEB4



00BCD5



48B6EB

# Triad

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



00BCD5



DF94C6



B9AC65

# Complementary

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



00BCD5



D51900

# 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.



D8A06B



00BCD5



EF90A3

# Square

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



00BCD5



BB9FE2



EB9582



93B673

# Rectangle

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



00BCD5



74AFF0



EB9582



C4A865

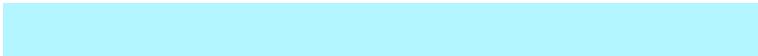


# Sweetspot

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



00BCD5



B3F6FF



00D519



527A80



000000



808080



# Same Dimension

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



00BCD5



00E1FF



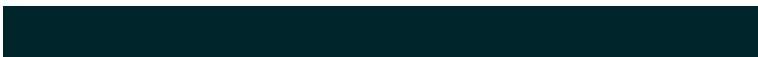
0052D5



606A6B



0097AB



00262B



# Inverse Universe

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



D500BC



FF00E1



D58300



6B606A



AB0097



2B0026



# Previews

## White Background



This preview shows how the Hex color 00BCD5 looks on a white background.

## Color Contrast Check

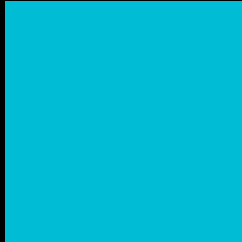
Large Text (above 18pt) WCAG AA × Fail

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 00BCD5 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

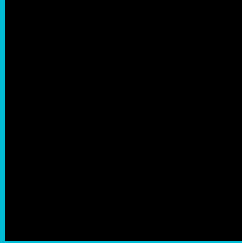
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00BCD5 Background



This preview shows how black text looks on a background with the Hex color 00BCD5.

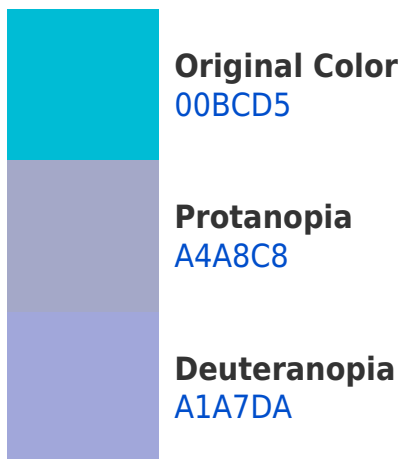


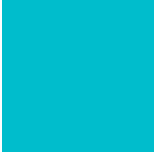
This preview shows how white text looks on a background with the Hex color 00BCD5.

# Color Blindness Simulation

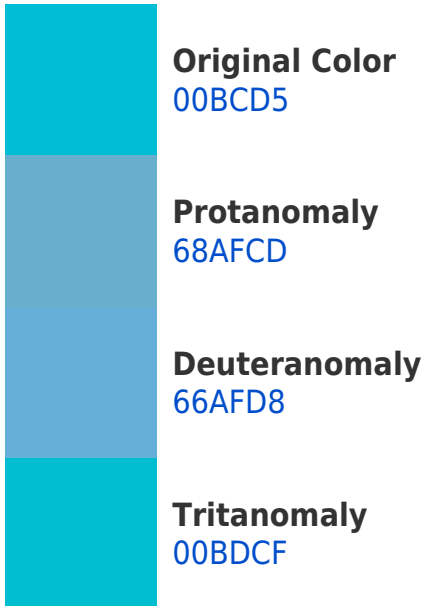
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

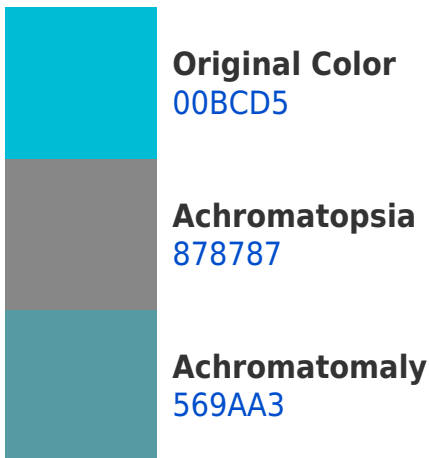




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00BCD5 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 #00BCD5 looks like.

```
.text, #text, p{  
    color:#00BCD5  
}
```

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 #00BCD5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00BCD5
}
```

## Border

The CSS property to change the border of an element to Hex 00BCD5 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
#00BCD5 }
```

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

```
.border{ border-color:#00BCD5 }
```

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

Here you see how a box with a 4 pixel #00BCD5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00BCD5; -webkit-box-shadow:4px 4px  
4px 4px #00BCD5; box-shadow:4px 4px 4px  
4px #00BCD5 }
```

# Background

The CSS property to change the background color of an element to Hex 00BCD5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00BCD5 }
```

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

```
.background{ background-color:#00BCD5 }
```

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