

# Converting Colors

Hex(00CBEB)

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

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# **Color**

**Hex(00CBEB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CBEB
RGB	0, 203, 235
RGB Percent	0%, 80%, 92%
CMY	1.0000, 0.2039, 0.0784
CMYK	1.00, 0.14, 0.00, 0.08
HSL	188°, 100%, 46%
HSV	188°, 100%, 92%
XYZ	36.3513, 48.7100, 86.0833
YIQ	145.9510, -131.2600, -33.0840

# Conversions

## Conversions Part 2

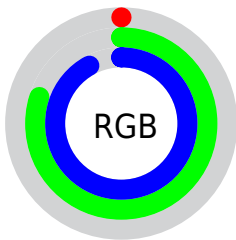
Format	Color
<a href="#">RYB</a>	<a href="#">0, 109, 235</a>
Decimal	<a href="#">52203</a>
CIELab	<a href="#">75.27, -30.47, -27.57</a>
CIELCh	<a href="#">75, 41.093, 222.139</a>
Yxy	<a href="#">48.7100, 0.2124, 0.2846</a>
Android (android.graphics.Color)	<a href="#">4278242283 (0xFF00CBEB)</a>
YUV	<a href="#">145.9510, 43.9012, -127.9990</a>
Hunter-Lab	<a href="#">69.7926, -29.1656, -24.2745</a>

# Details

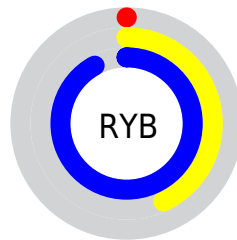
The Hex color **00CBEB** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **EB2000**, and the grayscale version is **929292**.

A 20% lighter version of the original color is **6FFFFFF**, and **0094B3** is the 20% darker color. If you saturate the color by 10%, you get **00CBEB**, and if you desaturate by 10%, it is **17CEEB**.

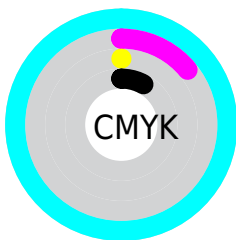
# Distribution



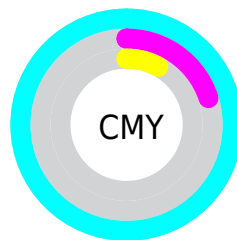
- Red (0%)
- Green (80%)
- Blue (92%)



- Red (0%)
- Yellow (43%)
- Blue (92%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (20%)
- Yellow (8%)

# Brightness & Saturation Gradients

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



 00CBEB


 00CBEB

FFFFFF

 00AFCF

 6FFFFFF

 0094B3

 91FFFF

 007A98

 B1FFFF

 00617E

 D1FFFF

 004965

 F1FFFF

 00324D

 001D36

 000221

 000005

 00CBEB

 17CEEB

 2FD1EB

 47D5EB

 5ED8EB

 76DBEB

 8DDEEB

 A4E1EB

 BCE5EB

 D3E8EB

# Harmonies

## Analogous

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



2ECEC8



00CBEB



58C4FF

# Triad

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



00CBEB



F59FD2



C3BC6E

# Complementary

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



00CBEB



EB2000

# 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.



E6AF72



00CBEB



FF9CAB

# Square

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



00CBEB



D1AAF2



FDA388



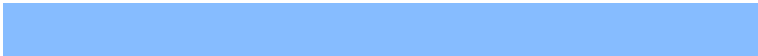
99C680

# Rectangle

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



00CBEB



86BCFF



FDA388



CFB86D



# Sweetspot

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



00CBEB



B3F5FF



00EB1F



527980



000000



808080



# Same Dimension

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



00CBEB



00DCFF



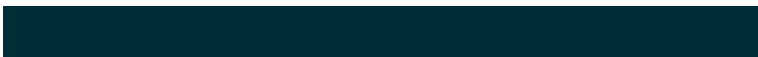
0056EB



6A7475



009CB5



002E36



# Inverse Universe

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



EB00CB



FF00DC



EB9500



756A74



B5009C

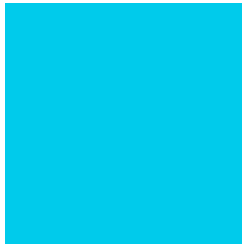


36002E



# Previews

## White Background



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

## Color Contrast Check

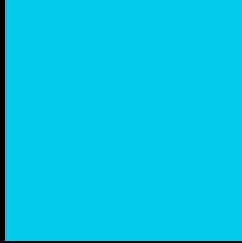
Large Text (above 18pt) WCAG AA × Fail

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 00CBEB 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 00CBEB Background



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

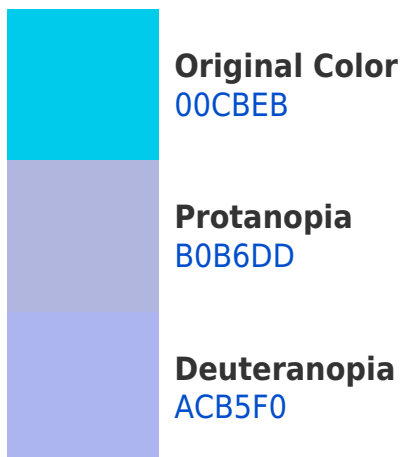


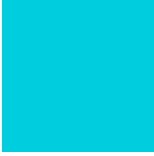
This preview shows how white text looks on a background with the Hex color 00CBEB.

# 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



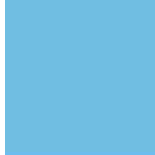


**Tritanopia**  
00CDDD

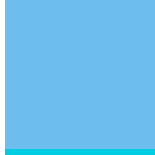
# Trichromacy



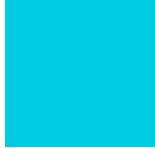
**Original Color**  
00CBEB



**Protanomaly**  
70BEE2



**Deuteranomaly**  
6DBDEE



**Tritanomaly**  
00CCE2

# Monochromacy



**Original Color**  
00CBEB



**Achromatopsia**  
929292



**Achromatomaly**  
5DA7B2

# CSS Examples

## Text

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

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

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 #00CBEB colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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