

# Converting Colors

Hex(00CBEA)

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

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# **Color**

**Hex(00CBEA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00CBEA
RGB	0, 203, 234
RGB Percent	0%, 80%, 92%
CMY	1.0000, 0.2039, 0.0824
CMYK	1.00, 0.13, 0.00, 0.08
HSL	188°, 100%, 46%
HSV	188°, 100%, 92%
XYZ	36.2072, 48.6524, 85.3244
YIQ	145.8370, -130.9390, -33.3950

# Conversions

## Conversions Part 2

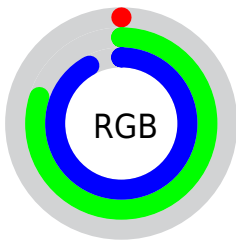
Format	Color
<b>RYB</b>	0, 109, 234
Decimal	52202
CIELab	75.23, -30.80, -27.09
CIELCh	75, 41.014, 221.334
Yxy	48.6524, 0.2128, 0.2859
Android (android.graphics.Color)	4278242282 (0xFF00CBEA)
YUV	145.8370, 43.4644, -127.8990
Hunter-Lab	69.7513, -29.4070, -23.7016

# Details

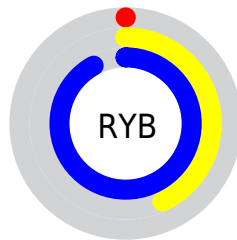
The Hex color **00CBEA** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **EA1F00**, and the grayscale version is **929292**.

A 20% lighter version of the original color is **6FFFFFF**, and **0094B2** is the 20% darker color. If you saturate the color by 10%, you get **00CBEA**, and if you desaturate by 10%, it is **17CEEA**.

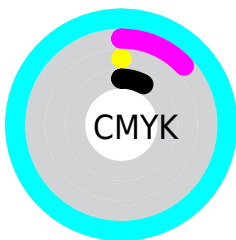
# Distribution



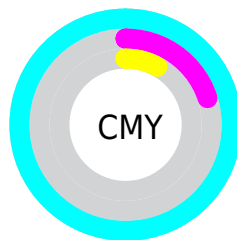
- Red (0%)
- Green (80%)
- Blue (92%)



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



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (8%)



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

# Brightness & Saturation Gradients

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



 00CBEA

 00CBEA

FFFFFF

 00AFCE

 6FFFFFF

 0094B2

 91FFFF

 007A97

 B1FFFF

 00617D

 D1FFFF

 004964

 F1FFFF

 00324C

 001D35

 000220

 000004

 00CBEA

 17CEEA

 2FD1EA

 46D4EA

 5ED7EA

 75DBEA

 8CDEEA

 A4E1EA

 BBE4EA

 D3E7EA

# Harmonies

## Analogous

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



30CEC7



00CBEA



56C4FF

# Triad

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



00CBEA



F49FD2



C4BC6E

# Complementary

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



00CBEA



EA1F00

# 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



00CBEA



FF9CAC

# Square

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



00CBEA



D0AAF2



FDA289



9AC67F

# Rectangle

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



00CBEA



84BCFF



FDA289



D0B86D



# Sweetspot

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



00CBEA



B3F5FF



00EA1B



527980



000000



808080

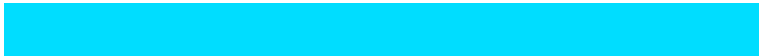


# Same Dimension

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



00CBEA



00DDFF



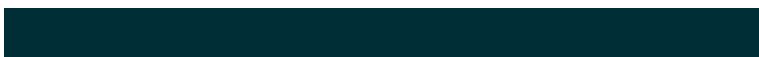
005AEA



6A7475



009DB5



002E36



# Inverse Universe

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



EA00CB



FF00DD



EA9000



756A74



B5009D



36002E



# Previews

## White Background



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

## Color Contrast Check

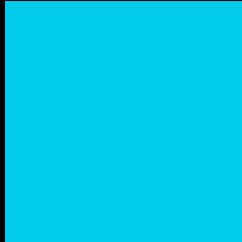
Large Text (above 18pt) WCAG AA × Fail

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 00CBEA 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 00CBEA Background



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



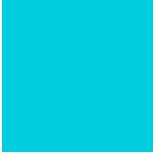
This preview shows how white text looks on a background with the Hex color 00CBEA.

# 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



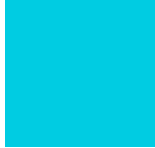
**Original Color**  
00CBEA



**Protanomaly**  
70BEE1



**Deuteranomaly**  
6DBDED



**Tritanomaly**  
00CCE2

# Monochromacy



**Original Color**  
00CBEA



**Achromatopsia**  
929292



**Achromatomaly**  
5DA7B2

# CSS Examples

## Text

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

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

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 #00CBEA colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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