

# Converting Colors

Hex(00BFE0)

Have a look what the booklet for  
Hex(00BFE0) contains.

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# **Color**

**Hex(00BFE0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BFE0
RGB	0, 191, 224
RGB Percent	0%, 75%, 88%
CMY	1.0000, 0.2510, 0.1216
CMYK	1.00, 0.15, 0.00, 0.12
HSL	189°, 100%, 44%
HSV	189°, 100%, 88%
XYZ	32.0853, 42.6434, 77.0609
YIQ	137.6530, -124.4290, -30.2290

# Conversions

## Conversions Part 2

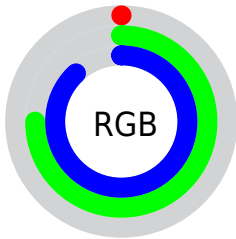
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 103, 224
Decimal	49120
CIELab	71.31, -28.20, -27.69
CIELCh	71, 39.526, 224.480
Yxy	42.6434, 0.2114, 0.2809
Android (android.graphics.Color)	4278239200 (0xFF00BFE0)
YUV	137.6530, 42.5691, -120.7217
Hunter-Lab	65.3019, -26.5745, -24.2551

# Details

The Hex color **00BFE0** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **E02100**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **6CF8FF**, and **0089A9** is the 20% darker color. If you saturate the color by 10%, you get **00BFE0**, and if you desaturate by 10%, it is **16C2E0**.

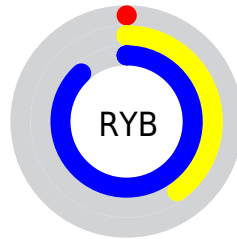
# Distribution



Red (0%)

Green (75%)

Blue (88%)



Red (0%)

Yellow (40%)

Blue (88%)

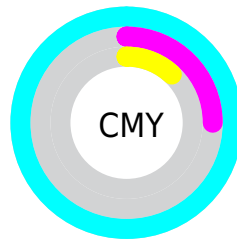


Cyan (100%)

Magenta (15%)

Yellow (0%)

Black (12%)



Cyan (100%)

Magenta (25%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00BFE0 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 00BFE0 by changing the saturation by 10% instead.



 00BFE0

 00BFE0

FFFFFF

 00A4C4

 6CF8FF

 0089A9

 8DFFFF

 006F8E

 ADFFFF

 005774

 CDFFFF

 003F5C

 ECFFFF

 002944

 000C2E

 000118

 000000

 00BFE0

 16C2E0

 2DC6E0

 43C9E0

 5ACCE0

 70D0E0

 86D3E0

 9DD6E0

 B3D9E0

 CADDE0

# Harmonies

## Analogous

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



23C2BF



00BFEO



57B8F3

# Triad

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



00BFE0



E995C3



B5B268

# Complementary

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



00BFEO



E02100

# 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.



D6A669



00BFE0



F5939E

# Square

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



00BFE0



C99FE2



ED9A7E



8DBB7A

# Rectangle

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



00BFE0



83B0F6



ED9A7E



C1AE66



# Sweetspot

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



00BFEO



B3F4FF



00E01E



527980



000000



808080

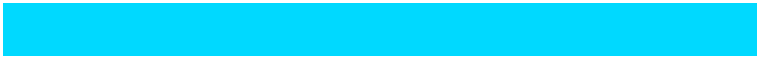


# Same Dimension

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



00BFEO



00D9FF



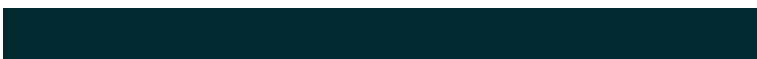
0052E0



656F70



0096B0



002930



# Inverse Universe

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



E000BF



FF00D9



E08E00



70656F



B00096

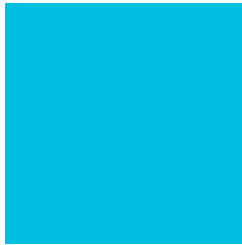


300029



# Previews

## White Background



This preview shows how the Hex color 00BFE0 looks on a white background.

## Color Contrast Check

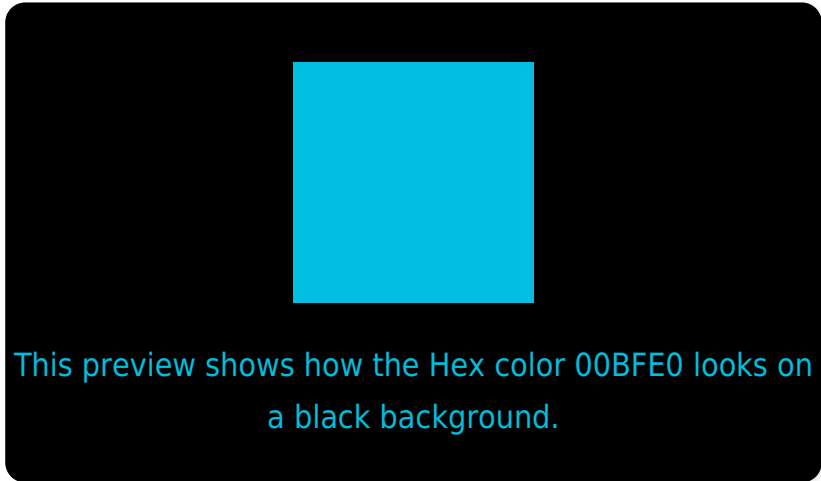
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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 00BFE0 Background



This preview shows how black text looks on a background with the Hex color 00BFE0.

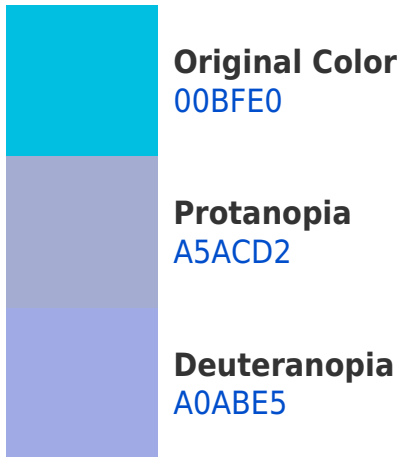


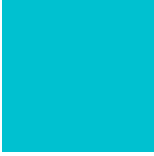
This preview shows how white text looks on a background with the Hex color 00BFE0.

# 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**  
00C1D0

# Trichromacy



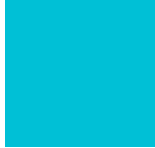
**Original Color**  
00BFE0



**Protanomaly**  
69B3D7



**Deuteranomaly**  
66B2E3



**Tritanomaly**  
00C0D6

# Monochromacy



**Original Color**  
00BFE0



**Achromatopsia**  
8A8A8A



**Achromatomaly**  
589DA9

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00BFE0 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 #00BFE0 looks like.

```
.text, #text, p{  
    color:#00BFE0  
}
```

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 #00BFE0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00BFE0
}
```

## Border

The CSS property to change the border of an element to Hex 00BFE0 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
#00BFE0 }
```

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

```
.border{ border-color:#00BFE0 }
```

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

Here you see how a box with a 4 pixel #00BFE0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00BFE0; -webkit-box-shadow:4px 4px  
4px 4px #00BFE0; box-shadow:4px 4px 4px  
4px #00BFE0 }
```

# Background

The CSS property to change the background color of an element to Hex 00BFE0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00BFE0 }
```

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

```
.background{ background-color:#00BFE0 }
```

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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