

# Converting Colors

Hex(00B5F3)

Have a look what the booklet for  
Hex(00B5F3) contains.

<b>Hex(00B5F3)</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(00B5F3)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B5F3
RGB	0, 181, 243
RGB Percent	0%, 71%, 95%
CMY	1.0000, 0.2902, 0.0471
CMYK	1.00, 0.26, 0.00, 0.05
HSL	195°, 100%, 48%
HSV	195°, 100%, 95%
XYZ	32.7015, 39.5188, 90.6984
YIQ	133.9490, -127.7780, -19.0900

# Conversions

## Conversions Part 2

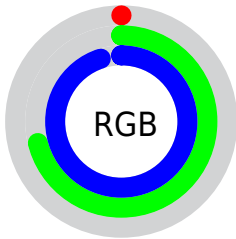
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 104, 243
Decimal	46579
CIELab	69.13, -16.56, -41.41
CIELCh	69, 44.602, 248.204
Yxy	39.5188, 0.2007, 0.2426
Android (android.graphics.Color)	4278236659 (0xFF00B5F3)
YUV	133.9490, 53.7621, -117.4733
Hunter-Lab	62.8640, -17.1572, -41.5371

# Details

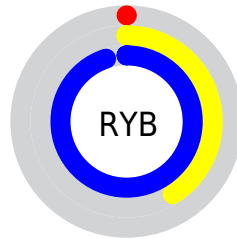
The Hex color **00B5F3** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **F33E00**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **6EEDFF**, and **0080BB** is the 20% darker color. If you saturate the color by 10%, you get **00B5F3**, and if you desaturate by 10%, it is **18BBF3**.

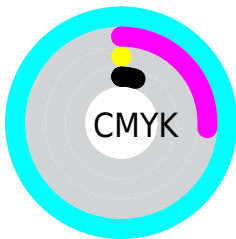
# Distribution



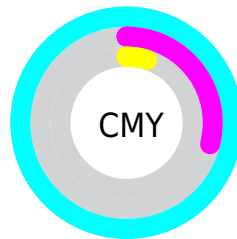
- Red (0%)
- Green (71%)
- Blue (95%)



- Red (0%)
- Yellow (41%)
- Blue (95%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (29%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B5F3 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 00B5F3 by changing the saturation by 10% instead.



 00B5F3

FFFFFF

 6EEDFF

 90FFFF

 B1FFFF

 D0FFFF

 F0FFFF

 00B5F3

 009AD6

 0080BB

 00679F

 004F85

 00386B

 002353

 00063B

 000225

 00010D

 00B5F3

 18BBF3

 31C1F3

 49C8F3

 61CEF3

 79D4F3

 92DAF3

 AAE0F3

 C2E7F3

 DBEDF3

# Harmonies

## Analogous

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



00BCD9



00B5F3



7CA9F8

# Triad

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



00B5F3



F5889F



8CB567

# Complementary

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



00B5F3



F33E00

# 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.



B7AA57



00B5F3



F18E79

# Square

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



00B5F3



E48DC8



DA9C5E



56BB89

# Rectangle

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



00B5F3



A99FF0



DA9C5E



9BB25F

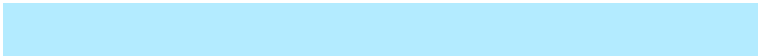


# Sweetspot

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



00B5F3



B3EBFF



00F33D



527480



000000



808080



# Same Dimension

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



00B5F3



00BEFF



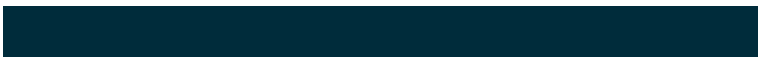
003DF3



6E777A



008BBA



002C3B



# Inverse Universe

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



F300B5



FF00BE



F3B600



7A6E77



BA008B

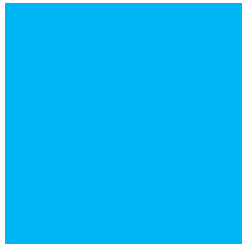


3B002C



# Previews

## White Background



This preview shows how the Hex color 00B5F3 looks on a white background.

## Color Contrast Check

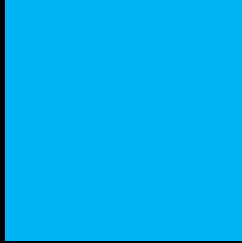
Large Text (above 18pt) WCAG AA × Fail

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 00B5F3 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

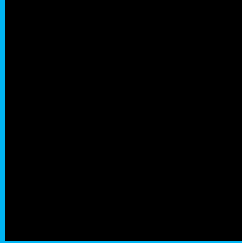
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

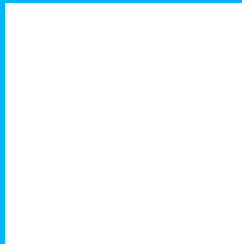
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00B5F3 Background



This preview shows how black text looks on a background with the Hex color 00B5F3.

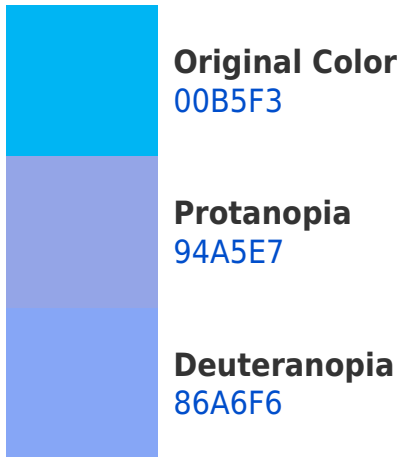


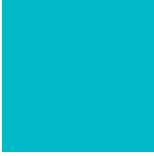
This preview shows how white text looks on a background with the Hex color 00B5F3.

# 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**  
00BAC8

# Trichromacy



**Original Color**  
00B5F3



**Protanomaly**  
5EABEB



**Deuteranomaly**  
55ABF5



**Tritanomaly**  
00B8D8

# Monochromacy



**Original Color**  
00B5F3



**Achromatopsia**  
868686



**Achromatomaly**  
5597AE

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B5F3 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 #00B5F3 looks like.

```
.text, #text, p{  
    color:#00B5F3  
}
```

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 #00B5F3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B5F3
}
```

## Border

The CSS property to change the border of an element to Hex 00B5F3 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
#00B5F3 }
```

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

```
.border{ border-color:#00B5F3 }
```

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

Here you see how a box with a 4 pixel #00B5F3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B5F3; -webkit-box-shadow:4px 4px  
4px 4px #00B5F3; box-shadow:4px 4px 4px  
4px #00B5F3 }
```

# Background

The CSS property to change the background color of an element to Hex 00B5F3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B5F3 }
```

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

```
.background{ background-color:#00B5F3 }
```

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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