

# Converting Colors

Hex(00B2FB)

Have a look what the booklet for  
Hex(00B2FB) contains.

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# **Color**

**Hex(00B2FB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B2FB
RGB	0, 178, 251
RGB Percent	0%, 70%, 98%
CMY	1.0000, 0.3020, 0.0157
CMYK	1.00, 0.29, 0.00, 0.02
HSL	197°, 100%, 49%
HSV	197°, 100%, 98%
XYZ	33.3330, 38.8058, 97.0002
YIQ	133.1000, -129.5210, -15.0330

# Conversions

## Conversions Part 2

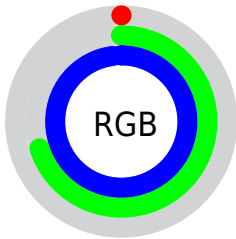
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 104, 251
Decimal	45819
CIELab	68.61, -12.10, -46.56
CIELCh	69, 48.109, 255.433
Yxy	38.8058, 0.1971, 0.2294
Android (android.graphics.Color)	4278235899 (0xFF00B2FB)
YUV	133.1000, 58.1247, -116.7287
Hunter-Lab	62.2943, -13.5017, -48.7161

# Details

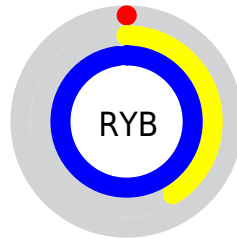
The Hex color **00B2FB** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **FB4900**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **70EAFF**, and **007EC2** is the 20% darker color. If you saturate the color by 10%, you get **00B2FB**, and if you desaturate by 10%, it is **19B9FB**.

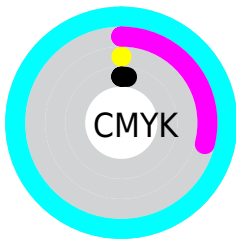
# Distribution



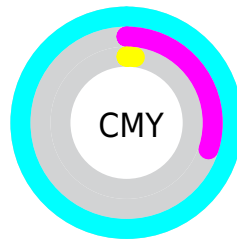
- Red (0%)
- Green (70%)
- Blue (98%)



- Red (0%)
- Yellow (41%)
- Blue (98%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (30%)
- Yellow (2%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B2FB 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 00B2FB by changing the saturation by 10% instead.



 00B2FB

FFFFFF

 70EAFB

 92FFFF

 B3FFFF

 D2FFFF

 F2FFFF

 00B2FB

 0097DE

 007EC2

 0065A7

 004D8C

 003772

 002259

 000741

 00032A

 000114

 00B2FB

 19B9FB

 32C1FB

 4BC8FB

 64CFFB

 7ED7FB

 97DEFB

 B0E5FB

 C9ECFB

 E2F4FB

# Harmonies

## Analogous

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



00BAE4



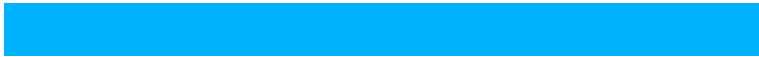
00B2FB



88A4FB

# Triad

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



00B2FB



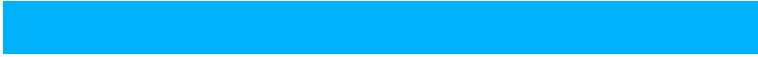
FA8492



7BB668

# Complementary

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



00B2FB



FB4900

# 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.



ACAC50



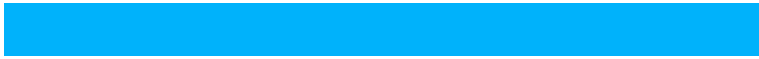
00B2FB



F08E6B

# Square

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



00B2FB



ED86BE



D49D52



34BC90

# Rectangle

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



00B2FB



B599EE



D49D52



8CB35E

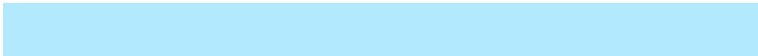


# Sweetspot

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



00B2FB



B3E9FF



00FB47



527280



000000



808080

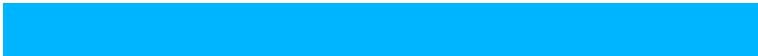


# Same Dimension

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



00B2FB



00B5FF



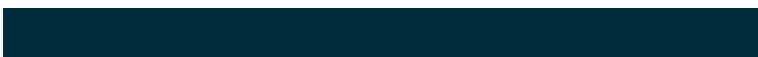
0036FB



70797D



0086BD



002B3D



# Inverse Universe

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



FB00B2



FF00B5



FBC500



7D7079



BD0086



3D002B



# Previews

## White Background



This preview shows how the Hex color 00B2FB looks on a white background.

## Color Contrast Check

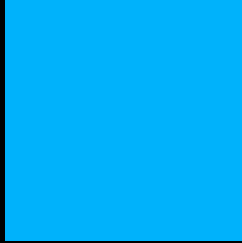
Large Text (above 18pt) WCAG AA × Fail

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 00B2FB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

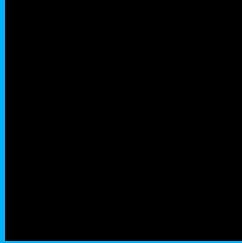
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

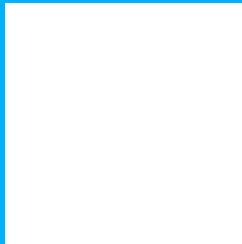
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00B2FB Background



This preview shows how black text looks on a background with the Hex color 00B2FB.

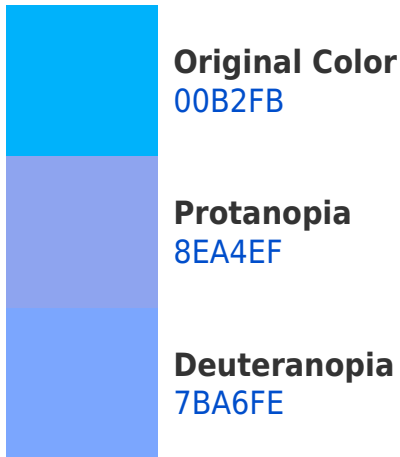


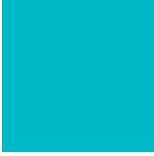
This preview shows how white text looks on a background with the Hex color 00B2FB.

# 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**  
00B9C7

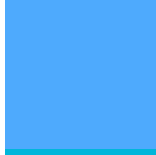
# Trichromacy



**Original Color**  
00B2FB



**Protanomaly**  
5AA9F3



**Deuteranomaly**  
4EAAFD



**Tritanomaly**  
00B6DA

# Monochromacy



**Original Color**  
00B2FB



**Achromatopsia**  
858585



**Achromatomaly**  
5595B0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B2FB 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 #00B2FB looks like.

```
.text, #text, p{  
    color:#00B2FB  
}
```

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 #00B2FB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B2FB
}
```

## Border

The CSS property to change the border of an element to Hex 00B2FB 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
#00B2FB }
```

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

```
.border{ border-color:#00B2FB }
```

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

Here you see how a box with a 4 pixel #00B2FB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B2FB; -webkit-box-shadow:4px 4px  
4px 4px #00B2FB; box-shadow:4px 4px 4px  
4px #00B2FB }
```

# Background

The CSS property to change the background color of an element to Hex 00B2FB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B2FB }
```

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

```
.background{ background-color:#00B2FB }
```

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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