

# Converting Colors

Hex(00B2F0)

Have a look what the booklet for  
Hex(00B2F0) contains.

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# **Color**

**Hex(00B2F0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B2F0
RGB	0, 178, 240
RGB Percent	0%, 70%, 94%
CMY	1.0000, 0.3020, 0.0588
CMYK	1.00, 0.26, 0.00, 0.06
HSL	196°, 100%, 47%
HSV	196°, 100%, 94%
XYZ	31.6486, 38.1321, 88.1302
YIQ	131.8460, -125.9900, -18.4540

# Conversions

## Conversions Part 2

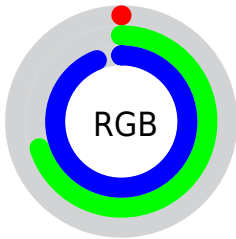
Format	Color
<b>RYB</b>	0, 102, 240
Decimal	45808
CIELab	68.12, -16.02, -41.36
CIElCh	68, 44.352, 248.827
Yxy	38.1321, 0.2004, 0.2415
Android (android.graphics.Color)	4278235888 (0xFF00B2F0)
YUV	131.8460, 53.3199, -115.6289
Hunter-Lab	61.7512, -16.5801, -41.3919

# Details

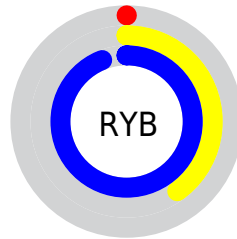
The Hex color **00B2F0** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **F03E00**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **6DEAFF**, and **007DB8** is the 20% darker color. If you saturate the color by 10%, you get **00B2F0**, and if you desaturate by 10%, it is **18B8F0**.

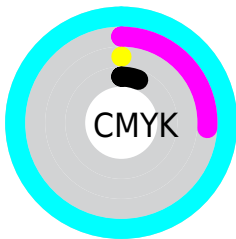
# Distribution



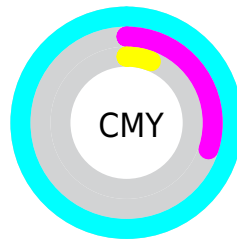
- Red (0%)
- Green (70%)
- Blue (94%)



- Red (0%)
- Yellow (40%)
- Blue (94%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (6%)



- Cyan (100%)
- Magenta (30%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B2F0 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 00B2F0 by changing the saturation by 10% instead.



00B2F0

00B2F0

FFFFFF

0097D3

6DEAFF

007DB8

8FFFFFF

00649D

AFFFFFF

004D82

CFFFFFF

003669

EFFFFFF

002150

000539

000222

000009

 00B2F0

 18B8F0

 30BEF0

 48C5F0

 60CBF0

 78D1F0

 90D7F0

 A8DDF0

 C0E4F0

 D8EAF0

# Harmonies

## Analogous

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



00B9D7



00B2F0



7BA6F5

# Triad

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



00B2F0



F2859C



88B266

# Complementary

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



00B2F0



F03E00

# 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.



B3A855



00B2F0



ED8C76

# Square

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



00B2F0



E18AC4



D69A5B



52B988

# Rectangle

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



00B2F0



A79CEC



D69A5B



97AF5E

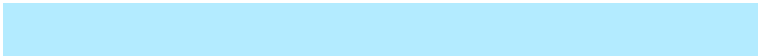


# Sweetspot

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



00B2F0



B3EBFF



00F03C



527480



000000



808080

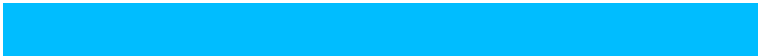


# Same Dimension

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



00B2F0



00BDFF



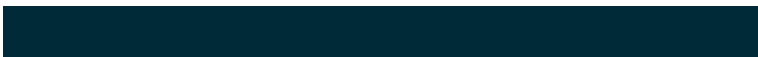
003CF0



6C7578



0088B8



002A38



# Inverse Universe

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



F000B2



FF00BD



F0B400



786C75



B80088

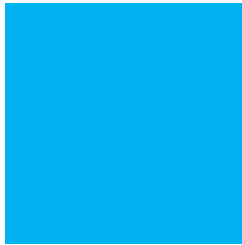


38002A



# Previews

## White Background



This preview shows how the Hex color 00B2F0 looks on a white background.

## Color Contrast Check

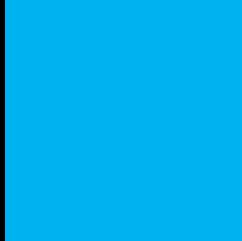
Large Text (above 18pt) WCAG AA × Fail

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 00B2F0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

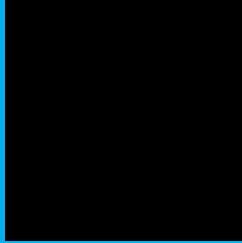
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00B2F0 Background



This preview shows how black text looks on a background with the Hex color 00B2F0.



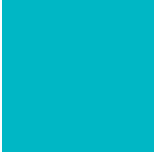
This preview shows how white text looks on a background with the Hex color 00B2F0.

# 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**  
00B7C5

# Trichromacy



**Original Color**  
00B2F0



**Protanomaly**  
5CA8E8



**Deuteranomaly**  
53A9F2



**Tritanomaly**  
00B5D5

# Monochromacy



**Original Color**  
00B2F0



**Achromatopsia**  
848484



**Achromatomaly**  
5495AB

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B2F0 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 #00B2F0 looks like.

```
.text, #text, p{  
    color:#00B2F0  
}
```

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 #00B2F0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B2F0
}
```

## Border

The CSS property to change the border of an element to Hex 00B2F0 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
#00B2F0 }
```

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

```
.border{ border-color:#00B2F0 }
```

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

Here you see how a box with a 4 pixel #00B2F0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B2F0; -webkit-box-shadow:4px 4px  
4px 4px #00B2F0; box-shadow:4px 4px 4px  
4px #00B2F0 }
```

# Background

The CSS property to change the background color of an element to Hex 00B2F0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B2F0 }
```

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

```
.background{ background-color:#00B2F0 }
```

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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