

# Converting Colors

Hex(00B1DB)

Have a look what the booklet for  
Hex(00B1DB) contains.

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# **Color**

**Hex(00B1DB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B1DB
RGB	0, 177, 219
RGB Percent	0%, 69%, 86%
CMY	1.0000, 0.3059, 0.1412
CMYK	1.00, 0.19, 0.00, 0.14
HSL	192°, 100%, 43%
HSV	192°, 100%, 86%
XYZ	28.5083, 36.5588, 72.5718
YIQ	128.8650, -118.9740, -24.4620

# Conversions

## Conversions Part 2

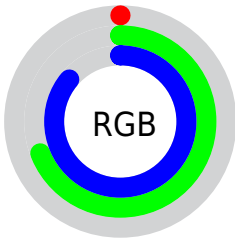
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 98, 219
Decimal	45531
CIELab	66.94, -22.83, -31.69
CIELCh	67, 39.059, 234.239
Yxy	36.5588, 0.2071, 0.2656
Android (android.graphics.Color)	4278235611 (0xFF00B1DB)
YUV	128.8650, 44.4366, -113.0146
Hunter-Lab	60.4638, -21.6501, -28.8382

# Details

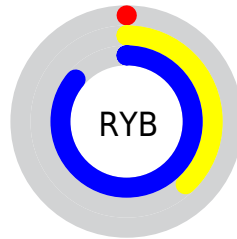
The Hex color **00B1DB** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **DB2A00**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **69E9FF**, and **007CA4** is the 20% darker color. If you saturate the color by 10%, you get **00B1DB**, and if you desaturate by 10%, it is **16B5DB**.

# Distribution



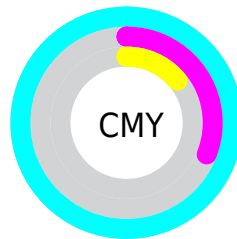
- Red (0%)
- Green (69%)
- Blue (86%)



- Red (0%)
- Yellow (38%)
- Blue (86%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (31%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B1DB 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 00B1DB by changing the saturation by 10% instead.



 00B1DB

 00B1DB

FFFFFF

 0096BF

 69E9FF

 007CA4

 8AFFFF

 006389

 AAFFFF

 004B70

 C9FFFF

 003457

 E8FFFF

 002040

 00032A

 000114

 000000

 00B1DB

 16B5DB

 2CB9DB

 42BEDB

 58C2DB

 6EC6DB

 83CADB

 99CEDB

 AFD3DB

 C5D7DB

# Harmonies

## Analogous

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



00B5BF



00B1DB



61A8E8

# Triad

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



00B1DB



E288AB



9DAA61

# Complementary

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



00B1DB



DB2A00

# 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.



C09E5C



00B1DB



E78988

# Square

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



00B1DB



C990CC



DA926B



73B179

# Rectangle

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



00B1DB



8AA1E7



DA926B



A9A65D



# Sweetspot

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



00B1DB



B3FOFF



00DB28



527780



000000



808080

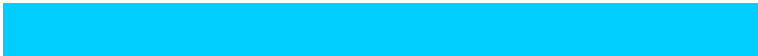


# Same Dimension

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



00B1DB



00CEFF



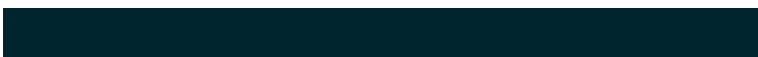
0045DB



636C6E



008CAD



00252E



# Inverse Universe

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



DB00B1



FF00CE



DB9600



6E636C



AD008C



2E0025



# Previews

## White Background



This preview shows how the Hex color 00B1DB looks on a white background.

## Color Contrast Check

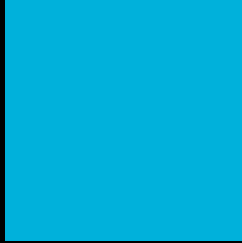
Large Text (above 18pt) WCAG AA × Fail

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 00B1DB 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 00B1DB Background



This preview shows how black text looks on a background with the Hex color 00B1DB.

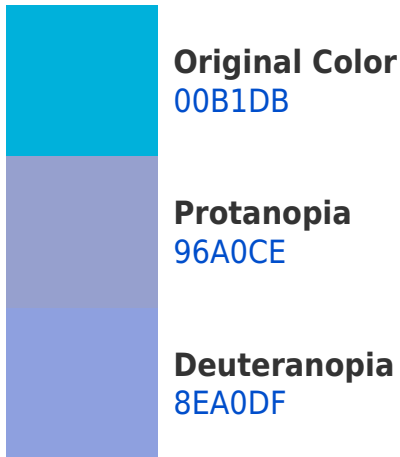


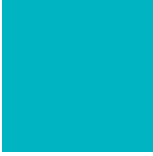
This preview shows how white text looks on a background with the Hex color 00B1DB.

# 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**  
00B4C2

# Trichromacy



**Original Color**  
00B1DB



**Protanomaly**  
5FA6D3



**Deuteranomaly**  
5AA6DE



**Tritanomaly**  
00B3CB

# Monochromacy



**Original Color**  
00B1DB



**Achromatopsia**  
818181



**Achromatomaly**  
5292A2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B1DB 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 #00B1DB looks like.

```
.text, #text, p{  
    color:#00B1DB  
}
```

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 #00B1DB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B1DB
}
```

## Border

The CSS property to change the border of an element to Hex 00B1DB 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
#00B1DB }
```

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

```
.border{ border-color:#00B1DB }
```

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

Here you see how a box with a 4 pixel #00B1DB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B1DB; -webkit-box-shadow:4px 4px  
4px 4px #00B1DB; box-shadow:4px 4px 4px  
4px #00B1DB }
```

# Background

The CSS property to change the background color of an element to Hex 00B1DB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B1DB }
```

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

```
.background{ background-color:#00B1DB }
```

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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