

# Converting Colors

Hex(00B5D8)

Have a look what the booklet for  
Hex(00B5D8) contains.

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# Color

Hex(00B5D8)

# Conversions

## Conversions Part 1

Format	Color
Hex	00B5D8
RGB	0, 181, 216
RGB Percent	0%, 71%, 85%
CMY	1.0000, 0.2902, 0.1529
CMYK	1.00, 0.16, 0.00, 0.15
HSL	190°, 100%, 42%
HSV	190°, 100%, 85%
XYZ	28.9185, 38.0056, 70.7774
YIQ	130.8710, -119.1110, -27.4870

# Conversions

## Conversions Part 2

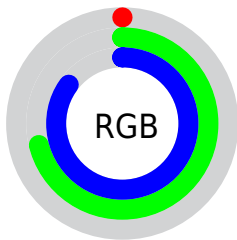
Format	Color
<a href="#">RYB</a>	0, 98, 216
Decimal	46552
CIELab	68.02, -25.88, -28.38
CIELCh	68, 38.411, 227.634
Yxy	38.0056, 0.2100, 0.2760
Android (android.graphics.Color)	4278236632 (0xFF00B5D8)
YUV	130.8710, 41.9686, -114.7739
Hunter-Lab	61.6487, -24.1534, -24.9154

# Details

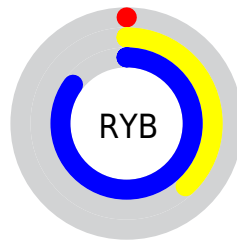
The Hex color **00B5D8** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **D82300**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **69EDFF**, and **0080A1** is the 20% darker color. If you saturate the color by 10%, you get **00B5D8**, and if you desaturate by 10%, it is **16B8D8**.

# Distribution



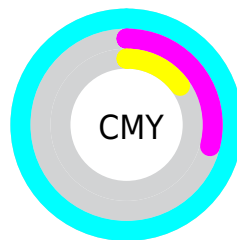
- Red (0%)
- Green (71%)
- Blue (85%)



- Red (0%)
- Yellow (38%)
- Blue (85%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (29%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B5D8 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 00B5D8 by changing the saturation by 10% instead.



 00B5D8

 00B5D8

FFFFFF

 009ABC

 69EDFF

 0080A1

 8AFFFF

 006787

 AAFFFF

 004E6D

 C9FFFF

 003755

 E8FFFF

 00233D

 000328

 000111

 000000

 00B5D8

 16B8D8

 2BBCD8

 41BFD8

 56C3D8

 6CC6D8

 82CAD8

 97CDD8

 ADD1D8

 C2D4D8

# Harmonies

## Analogous

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



12B8BA



00B5D8



58ADE9

# Triad

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



00B5D8



E08CB6



A8AA62

# Complementary

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



00B5D8



D82300

# 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.



C99F62



00B5D8



E98B92

# Square

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



00B5D8



C395D5



E09374



81B376

# Rectangle

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



00B5D8



81A6EA



E09374



B4A760

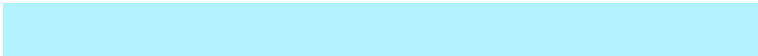


# Sweetspot

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



00B5D8



B3F3FF



00D820



527880



000000



808080

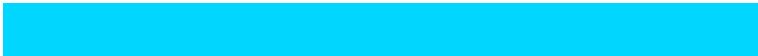


# Same Dimension

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



00B5D8



00D6FF



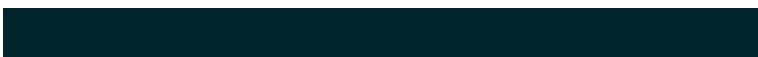
004CD8



60696B



008FAB



00242B



# Inverse Universe

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



D800B5



FF00D6



D88C00



6B6069



AB008F



2B0024



# Previews

## White Background



This preview shows how the Hex color 00B5D8 looks on a white background.

## Color Contrast Check

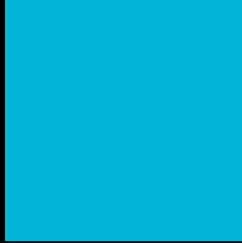
Large Text (above 18pt) WCAG AA × Fail

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 00B5D8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

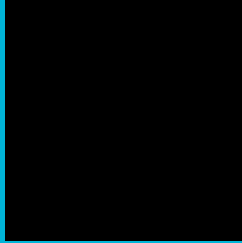
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00B5D8 Background



This preview shows how black text looks on a background with the Hex color 00B5D8.

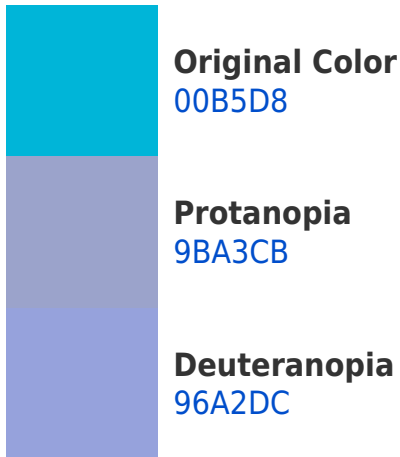


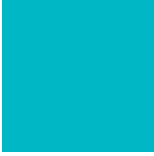
This preview shows how white text looks on a background with the Hex color 00B5D8.

# 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**  
00B7C6

# Trichromacy



**Original Color**  
00B5D8



**Protanomaly**  
63AAD0



**Deuteranomaly**  
5FA9DB



**Tritanomaly**  
00B6CD

# Monochromacy



**Original Color**  
00B5D8



**Achromatopsia**  
838383



**Achromatomaly**  
5395A2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B5D8 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 #00B5D8 looks like.

```
.text, #text, p{  
    color:#00B5D8  
}
```

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 #00B5D8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B5D8
}
```

## Border

The CSS property to change the border of an element to Hex 00B5D8 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
#00B5D8 }
```

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

```
.border{ border-color:#00B5D8 }
```

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

Here you see how a box with a 4 pixel #00B5D8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B5D8; -webkit-box-shadow:4px 4px  
4px 4px #00B5D8; box-shadow:4px 4px 4px  
4px #00B5D8 }
```

# Background

The CSS property to change the background color of an element to Hex 00B5D8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B5D8 }
```

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

```
.background{ background-color:#00B5D8 }
```

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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