

# Converting Colors

Hex(00B9DC)

Have a look what the booklet for  
Hex(00B9DC) contains.

<b>Hex(00B9DC)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(00B9DC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B9DC
RGB	0, 185, 220
RGB Percent	0%, 73%, 86%
CMY	1.0000, 0.2745, 0.1373
CMYK	1.00, 0.16, 0.00, 0.14
HSL	190°, 100%, 43%
HSV	190°, 100%, 86%
XYZ	30.2672, 39.8652, 73.8097
YIQ	133.6750, -121.4950, -28.3350

# Conversions

## Conversions Part 2

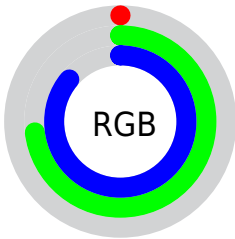
Format	Color
R <sub>YB</sub>	0, 100, 220
Decimal	47580
CIE Lab	69.37, -26.55, -28.49
CIE LCh	69, 38.946, 227.025
Yxy	39.8652, 0.2103, 0.2770
Android (android.graphics.Color)	4278237660 (0xFF00B9DC)
YUV	133.6750, 42.5582, -117.2330
Hunter-Lab	63.1389, -24.9246, -25.1130

# Details

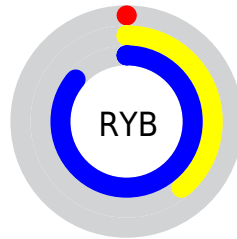
The Hex color **00B9DC** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **DC2300**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **6AF1FF**, and **0084A5** is the 20% darker color. If you saturate the color by 10%, you get **00B9DC**, and if you desaturate by 10%, it is **16BCDC**.

# Distribution



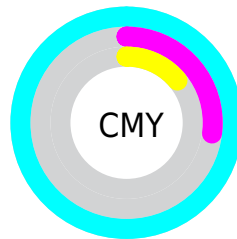
- Red (0%)
- Green (73%)
- Blue (86%)



- Red (0%)
- Yellow (39%)
- Blue (86%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (27%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B9DC 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 00B9DC by changing the saturation by 10% instead.



 00B9DC

 00B9DC

FFFFFF

 009EC0

 6AF1FF

 0084A5

 8BFFFF

 006A8A

 ABFFFF

 005271

 CBFFFF

 003A58

 EAFFFF

 002541

 00032B

 000115

 000000

 00B9DC

 16BCDC

 2CC0DC

 42C3DC

 58C7DC

 6ECADC

 84CEDC

 9AD2DC

 B0D5DC

 C6D9DC

# Harmonies

## Analogous

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



16BCBD



00B9DC



59B1EE

# Triad

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



00B9DC



E48FBA



ACAE65

# Complementary

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



00B9DC



DC2300

# 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.



CEA265



00B9DC



EE8E96

# Square

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



00B9DC



C699DA



E59677



84B678

# Rectangle

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



00B9DC



83AAEF



E59677



B8AA62

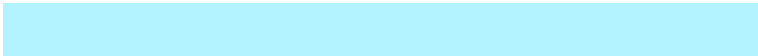


# Sweetspot

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



00B9DC



B3F3FF



00DC21



527880



000000



808080

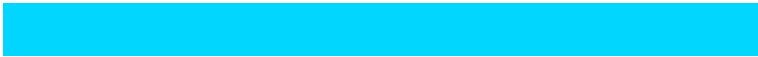


# Same Dimension

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



00B9DC



00D6FF



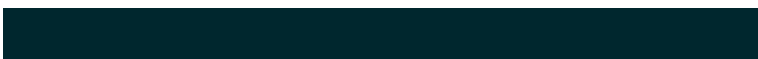
004DDC



636C6E



0092AD



00272E



# Inverse Universe

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



DC00B9



FF00D6



DC8F00



6E636C



AD0092



2E0027



# Previews

## White Background



This preview shows how the Hex color 00B9DC 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 00B9DC 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 00B9DC Background



This preview shows how black text looks on a background with the Hex color 00B9DC.

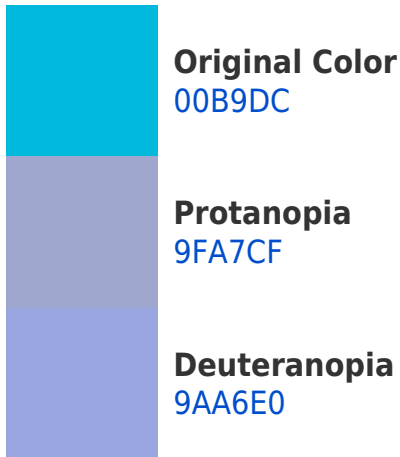


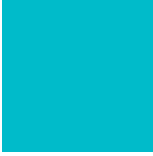
This preview shows how white text looks on a background with the Hex color 00B9DC.

# 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**  
00BBCA

# Trichromacy



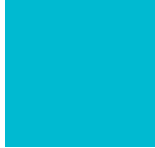
**Original Color**  
00B9DC



**Protanomaly**  
65AED4



**Deuteranomaly**  
62ADDF



**Tritanomaly**  
00BAD1

# Monochromacy



**Original Color**  
00B9DC



**Achromatopsia**  
868686



**Achromatomaly**  
5599A5

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B9DC 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 #00B9DC looks like.

```
.text, #text, p{  
    color:#00B9DC  
}
```

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 #00B9DC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B9DC
}
```

## Border

The CSS property to change the border of an element to Hex 00B9DC 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
#00B9DC }
```

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

```
.border{ border-color:#00B9DC }
```

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

Here you see how a box with a 4 pixel #00B9DC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B9DC; -webkit-box-shadow:4px 4px  
4px 4px #00B9DC; box-shadow:4px 4px 4px  
4px #00B9DC }
```

# Background

The CSS property to change the background color of an element to Hex 00B9DC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B9DC }
```

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

```
.background{ background-color:#00B9DC }
```

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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