

# Converting Colors

Hex(00B9E2)

Have a look what the booklet for  
Hex(00B9E2) contains.

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# **Color**

**Hex(00B9E2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B9E2
RGB	0, 185, 226
RGB Percent	0%, 73%, 89%
CMY	1.0000, 0.2745, 0.1137
CMYK	1.00, 0.18, 0.00, 0.11
HSL	191°, 100%, 44%
HSV	191°, 100%, 89%
XYZ	31.0764, 40.1889, 78.0708
YIQ	134.3590, -123.4210, -26.4690

# Conversions

## Conversions Part 2

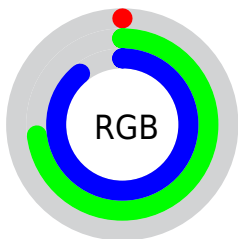
Format	Color
<b>RYB</b>	0, 102, 226
Decimal	47586
CIELab	69.60, -24.53, -31.42
CIELCh	70, 39.855, 232.021
Yxy	40.1889, 0.2081, 0.2691
Android (android.graphics.Color)	4278237666 (0xFF00B9E2)
YUV	134.3590, 45.1790, -117.8328
Hunter-Lab	63.3947, -23.4391, -28.6396

# Details

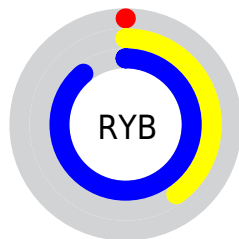
The Hex color **00B9E2** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **E22900**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **6BF1FF**, and **0084AB** is the 20% darker color. If you saturate the color by 10%, you get **00B9E2**, and if you desaturate by 10%, it is **17BDE2**.

# Distribution



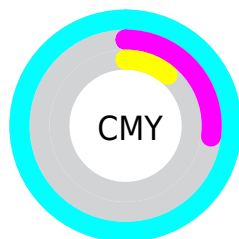
- Red (0%)
- Green (73%)
- Blue (89%)



- Red (0%)
- Yellow (40%)
- Blue (89%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (27%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B9E2 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 00B9E2 by changing the saturation by 10% instead.



 00B9E2

 00B9E2

FFFFFF

 009EC6

 6BF1FF

 0084AB

 8DFFFF

 006A90

 ADFFFF

 005276

 CCFFFF

 003A5D

 ECFFFF

 002545

 00042F

 000119

 000000

 00B9E2

 17BDE2

 2DC1E2

 44C5E2

 5AC9E2

 71CEE2

 88D2E2

 9ED6E2

 B5DAE2

 CBDEE2

# Harmonies

## Analogous

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



00BDC4



00B9E2



62B1F1

# Triad

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



00B9E2



E98EB5



A6B066

# Complementary

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



00B9E2



E22900

# 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.



CAA562



00B9E2



F08F91

# Square

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



00B9E2



CE97D7



E49872



7DB87C

# Rectangle

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



00B9E2



8DA9F0



E49872



B3AD62

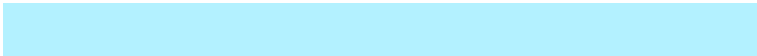


# Sweetspot

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



00B9E2



B3F1FF



00E226



527780



000000



808080

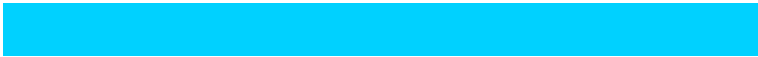


# Same Dimension

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



00B9E2



00D1FF



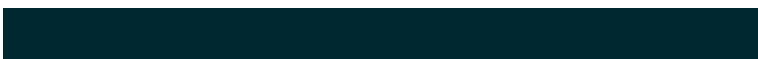
004BE2



656E70



0090B0



002830



# Inverse Universe

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



E200B9



FF00D1



E29700



70656E



B00090



300028



# Previews

## White Background



This preview shows how the Hex color 00B9E2 looks on a white background.

## Color Contrast Check

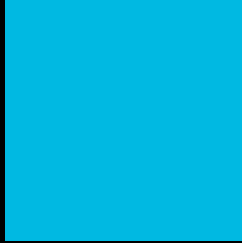
Large Text (above 18pt) WCAG AA × Fail

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 00B9E2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

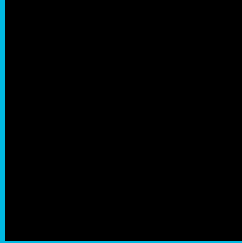
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00B9E2 Background



This preview shows how black text looks on a background with the Hex color 00B9E2.

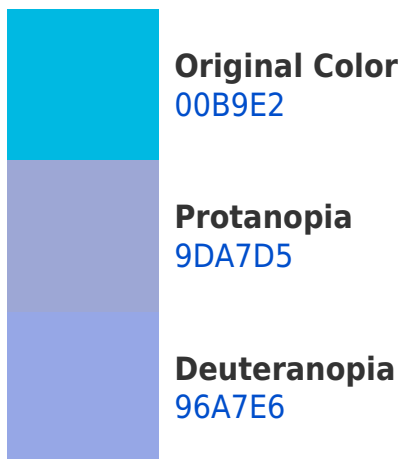


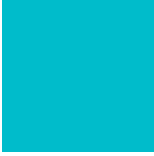
This preview shows how white text looks on a background with the Hex color 00B9E2.

# 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**  
00BCCB

# Trichromacy



**Original Color**  
00B9E2



**Protanomaly**  
64AEDA



**Deuteranomaly**  
5FAEE5



**Tritanomaly**  
00BBD3

# Monochromacy



**Original Color**  
00B9E2



**Achromatopsia**  
868686



**Achromatomaly**  
5599A7

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B9E2 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 #00B9E2 looks like.

```
.text, #text, p{  
    color:#00B9E2  
}
```

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 #00B9E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B9E2
}
```

## Border

The CSS property to change the border of an element to Hex 00B9E2 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
#00B9E2 }
```

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

```
.border{ border-color:#00B9E2 }
```

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

Here you see how a box with a 4 pixel #00B9E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B9E2; -webkit-box-shadow:4px 4px  
4px 4px #00B9E2; box-shadow:4px 4px 4px  
4px #00B9E2 }
```

# Background

The CSS property to change the background color of an element to Hex 00B9E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B9E2 }
```

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

```
.background{ background-color:#00B9E2 }
```

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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