

Converting Colors

Hex(00BDCE)

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

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

Color

Hex(00BDCE)

Conversions

Conversions Part 1

Format	Color
Hex	00BDCE
RGB	0, 189, 206
RGB Percent	0%, 74%, 81%
CMY	1.0000, 0.2588, 0.1922
CMYK	1.00, 0.08, 0.00, 0.19
HSL	185°, 100%, 40%
HSV	185°, 100%, 81%
XYZ	29.3382, 40.8514, 64.7313
YIQ	134.4270, -118.1010, -34.7810

Conversions

Conversions Part 2

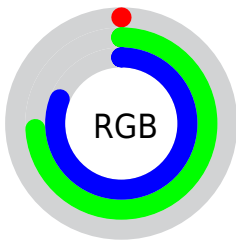
Format	Color
RYB	0, 99, 206
Decimal	48590
CIELab	70.07, -33.09, -19.77
CIELCh	70, 38.545, 210.858
Yxy	40.8514, 0.2174, 0.3028
Android (android.graphics.Color)	4278238670 (0xFF00BDCE)
YUV	134.4270, 35.2855, -117.8925
Hunter-Lab	63.9151, -29.9168, -15.3066

Details

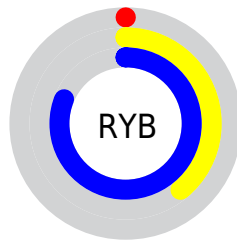
The Hex color **00BDCE** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **CE1100**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **68F6FF**, and **008798** is the 20% darker color. If you saturate the color by 10%, you get **00BDCE**, and if you desaturate by 10%, it is **15BFCE**.

Distribution



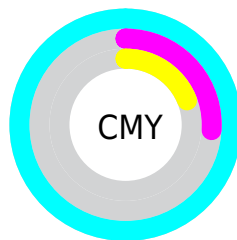
- Red (0%)
- Green (74%)
- Blue (81%)



- Red (0%)
- Yellow (39%)
- Blue (81%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (19%)



- Cyan (100%)
- Magenta (26%)
- Yellow (19%)

Brightness & Saturation Gradients

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

 00BDCE

 00BDCE

FFFFFF

 00A2B2

 68F6FF

 008798

 89FFFF

 006D7E

 A9FFFF

 005465

 C8FFFF

 003D4D

 E7FFFF

 002736

 000221

 000006

 000000

 00BDCE

 15BFCE

 29C0CE

 3EC2CE

 52C4CE

 67C6CE

 7CC7CE

 90C9CE

 A5CBCE

 B9CCCE

Harmonies

Analogous

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



41BEAB



00BDCE



38B8E8

Triad

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



00BDCE



D896CE



C1A965

Complementary

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



00BDCE



CE1100

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.



DE9D6F



00BDCE



ED90AC

Square

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



00BDCE



B0A2E7



EE9389



9DB46E

Rectangle

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



00BDCE



65B2F0



EE9389



CCA566

Sweetspot

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



00BDCE



B3F9FF



00CE0E



527C80



000000



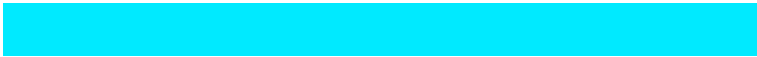
808080

Same Dimension

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



00BDCE



00EAFB



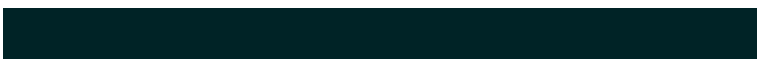
0059CE



5C6566



0098A6



002326

Inverse Universe

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



CE00BD



FF00EA



CE7500



665C65



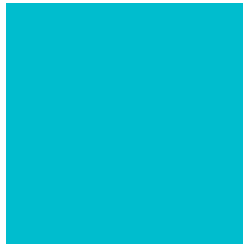
A60098



260023

Previews

White Background



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

Color Contrast Check

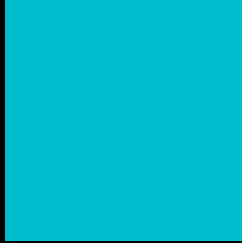
Large Text (above 18pt) WCAG AA × Fail

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 00BDCE looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

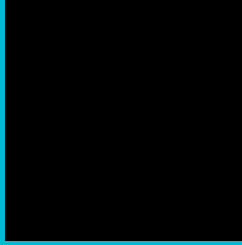
Any Text WCAG AA ✓ Pass

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 00BDCE Background



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

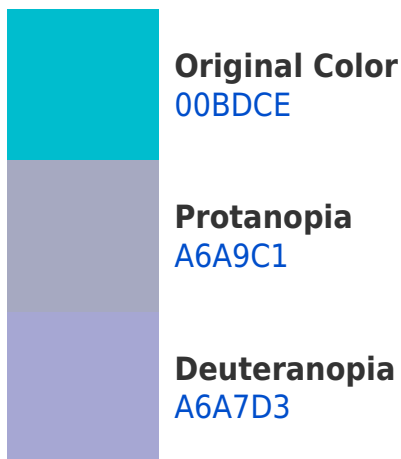


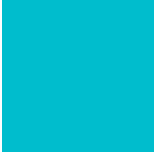
This preview shows how white text looks on a background with the Hex color 00BDCE.

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



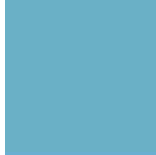


Tritanopia
00BDCD

Trichromacy



Original Color
00BDCE



Protanomaly
6AB0C6



Deuteranomaly
6AAFD1



Tritanomaly
00BDCD

Monochromacy



Original Color
00BDCE



Achromatopsia
868686



Achromatomaly
559AA0

CSS Examples

Text

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

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

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 #00BDCE colored shadow looks like.

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

Border

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

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

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

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

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

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

Background

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

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

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

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

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor