

Converting Colors

Hex(00B5BD)

Have a look what the booklet for
Hex(00B5BD) contains.

| | |
|--|----|
| Hex(00B5BD) | 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(00B5BD)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00B5BD |
| RGB | 0, 181, 189 |
| RGB Percent | 0%, 71%, 74% |
| CMY | 1.0000, 0.2902, 0.2588 |
| CMYK | 1.00, 0.04, 0.00, 0.26 |
| HSL | 183°, 100%, 37% |
| HSV | 183°, 100%, 74% |
| XYZ | 25.7092, 36.7219, 53.8771 |
| YIQ | 127.7930, -110.4440, -35.8840 |

Conversions

Conversions Part 2

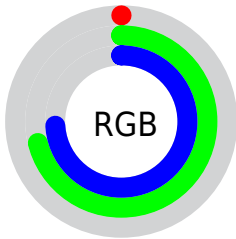
| Format | Color |
|-------------------------------------|--|
| RYB | 0, 92, 189 |
| Decimal | 46525 |
| CIELab | 67.07, -34.69, -14.97 |
| CIELCh | 67, 37.783, 203.340 |
| Yxy | 36.7219, 0.2210, 0.3157 |
| Android (android.graphics.Color) | 4278236605 (0xFF00B5BD) |
| YUV | 127.7930, 30.1751, -112.0745 |
| Hunter-Lab | 60.5986, -30.3182, -10.2947 |

Details

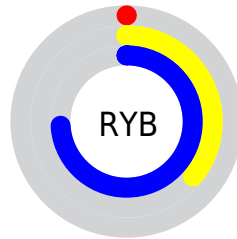
The Hex color **00B5BD** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **BD0800**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **65EDF5**, and **007F88** is the 20% darker color. If you saturate the color by 10%, you get **00B5BD**, and if you desaturate by 10%, it is **13B6BD**.

Distribution



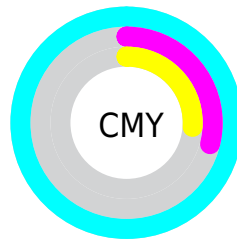
- Red (0%)
- Green (71%)
- Blue (74%)



- Red (0%)
- Yellow (36%)
- Blue (74%)



- Cyan (100%)
- Magenta (4%)
- Yellow (0%)
- Black (26%)



- Cyan (100%)
- Magenta (29%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00B5BD 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 00B5BD by changing the saturation by 10% instead.

 00B5BD

 00B5BD

FFFFFF

 009AA2

 65EDF5

 007F88

 85FFFF

 00666E

 A4FFFF

 004D56

 C3FFFF

 00363F

 E2FFFF

 002229

 000115

 000000

 00B5BD

 13B6BD

 26B7BD

 39B7BD

 4CB8BD

 5FB9BD

 71BABD

 84BBBD

 97BBBD

 AABCBD

Harmonies

Analogous

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



48B59A



00B5BD



1CB1D9

Triad

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



00B5BD



C791CC



C09F5F

Complementary

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



00B5BD



BD0800

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.



D9936E



00B5BD



E089AC

Square

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



00B5BD



9C9DE2



E58A8A



9EA963

Rectangle

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



00B5BD



4DACE4



E58A8A



CA9B62

Sweetspot

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



00B5BD



ABF2F5



00BD06



4E797A



FAFAFA



7A7A7A

Same Dimension

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



00B5BD



00EAF5



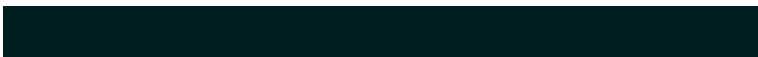
0058BD



555E5E



00979E



001D1F

Inverse Universe

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



BD00B5



F500EA



BD6500



5E555E



9E0097



1F001D

Previews

White Background



This preview shows how the Hex color 00B5BD 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 00B5BD looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

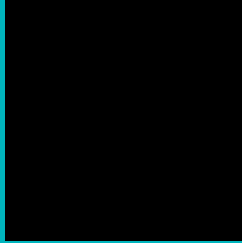
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

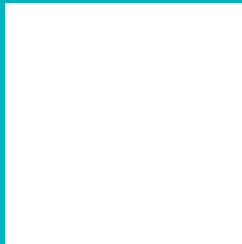
Any Text WCAG AAA ✓ Pass

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

Hex 00B5BD Background



This preview shows how black text looks on a background with the Hex color 00B5BD.

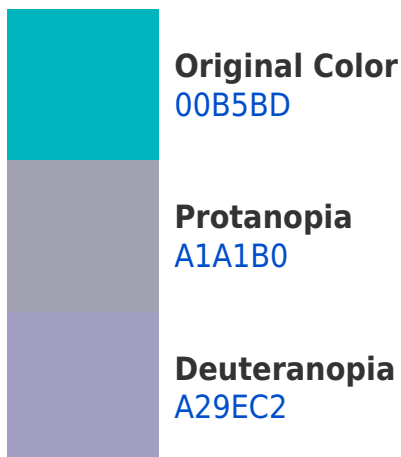


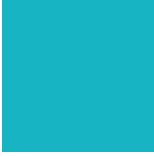
This preview shows how white text looks on a background with the Hex color 00B5BD.

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
17B4C3

Trichromacy



Original Color
00B5BD



Protanomaly
66A8B5



Deuteranomaly
67A6C0



Tritanomaly
0FB4C1

Monochromacy



Original Color
00B5BD



Achromatopsia
808080



Achromatomaly
519396

CSS Examples

Text

The CSS property to change the color of the text to Hex 00B5BD 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 #00B5BD looks like.

```
.text, #text, p{  
    color:#00B5BD  
}
```

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 #00B5BD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B5BD }  
}
```

Border

The CSS property to change the border of an element to Hex 00B5BD 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 #00B5BD }  
}
```

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

```
.border{ border-color:#00B5BD }
```

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

Here you see how a box with a 4 pixel #00B5BD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B5BD; -webkit-box-shadow:4px 4px  
4px 4px #00B5BD; box-shadow:4px 4px 4px  
4px #00B5BD }
```

Background

The CSS property to change the background color of an element to Hex 00B5BD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B5BD }
```

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

```
.background{ background-color:#00B5BD }
```

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