

Converting Colors

Hex(00BD9D)

Have a look what the booklet for
Hex(00BD9D) contains.

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Color

Hex(00BD9D)

Conversions

Conversions Part 1

Format	Color
Hex	00BD9D
RGB	0, 189, 157
RGB Percent	0%, 74%, 62%
CMY	1.0000, 0.2588, 0.3843
CMYK	1.00, 0.00, 0.17, 0.26
HSL	170°, 100%, 37%
HSV	170°, 100%, 74%
XYZ	24.2834, 38.8295, 38.1133
YIQ	128.8410, -102.3720, -50.0200

Conversions

Conversions Part 2

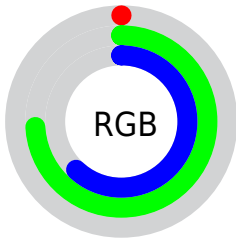
Format	Color
RYB	0, 103, 189
Decimal	48541
CIELab	68.63, -47.51, 4.96
CIELCh	69, 47.764, 174.041
Yxy	38.8295, 0.2399, 0.3836
Android (android.graphics.Color)	4278238621 (0xFF00BD9D)
YUV	128.8410, 13.8824, -112.9936
Hunter-Lab	62.3133, -39.4872, 7.3553

Details

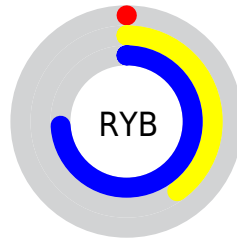
The Hex color **00BD9D** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BD0020**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **63F6D4**, and **00866A** is the 20% darker color. If you saturate the color by 10%, you get **00BD9D**, and if you desaturate by 10%, it is **13BDA0**.

Distribution



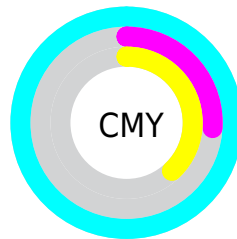
- Red (0%)
- Green (74%)
- Blue (62%)



- Red (0%)
- Yellow (40%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (17%)
- Black (26%)



- Cyan (100%)
- Magenta (26%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00BD9D 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 00BD9D by changing the saturation by 10% instead.

 00BD9D

 00BD9D

FFFFFF

 00A183

 63F6D4

 00866A

 83FFF0

 006C52

 A2FFFF

 00533B

 C0FFFF

 003B25

 DFFFFF

 002510

FEFFFF

 000000

 00BD9D

 13BDA0

 26BDA3

 39BDA7

 4CBDAA

 5FBDA7

 71BDB0

 84BDB3

 97BDB7

 AABDBA

Harmonies

Analogous

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



6BB873



00BD9D



00BDC9

Triad

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



00BD9D



9D9FF6



E99263

Complementary

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



00BD9D



BD0020

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.



F98687



00BD9D



D58FDB

Square

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



00BD9D



45AFFD



F384B2



C9A250

Rectangle

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



00BD9D



00BBE2



F384B2



F08D6D

Sweetspot

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



00BD9D



ABF5E8



23BD00



4E7A73



FAFAFA



7A7A7A

Same Dimension

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



00BD9D



00F5CB



0081BD



555E5D



009E83



001F19

Inverse Universe

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



BD0020



F50029



BD3C00



5E5557



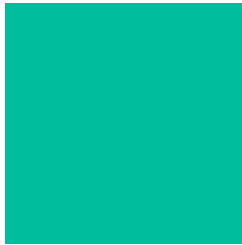
9E001B



1F0005

Previews

White Background



This preview shows how the Hex color 00BD9D looks on a white background.

Color Contrast Check

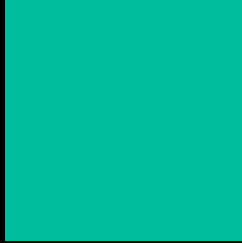
Large Text (above 18pt) WCAG AA × Fail

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 00BD9D looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

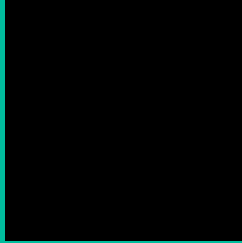
Any Text WCAG AA ✓ Pass

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 00BD9D Background



This preview shows how black text looks on a background with the Hex color 00BD9D.

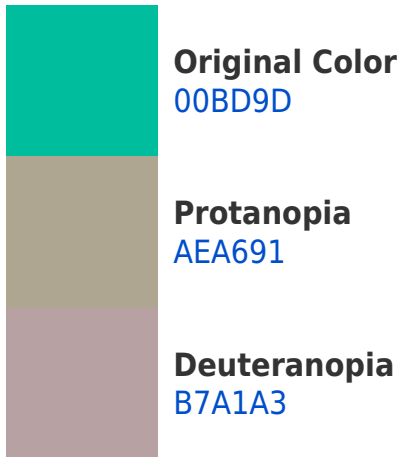


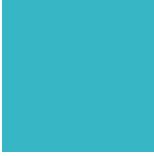
This preview shows how white text looks on a background with the Hex color 00BD9D.

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
37B7C6

Trichromacy



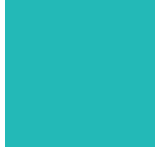
Original Color
00BD9D



Protanomaly
6FAE95



Deuteranomaly
74ABA1



Tritanomaly
23B9B7

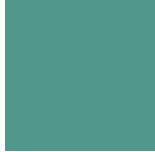
Monochromacy



Original Color
00BD9D



Achromatopsia
818181



Achromatomaly
52978B

CSS Examples

Text

The CSS property to change the color of the text to Hex 00BD9D 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 #00BD9D looks like.

```
.text, #text, p{  
    color:#00BD9D  
}
```

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 #00BD9D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00BD9D
}
```

Border

The CSS property to change the border of an element to Hex 00BD9D 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
#00BD9D }
```

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

```
.border{ border-color:#00BD9D }
```

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

Here you see how a box with a 4 pixel #00BD9D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00BD9D; -webkit-box-shadow:4px 4px  
4px 4px #00BD9D; box-shadow:4px 4px 4px  
4px #00BD9D }
```

Background

The CSS property to change the background color of an element to Hex 00BD9D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00BD9D }
```

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

```
.background{ background-color:#00BD9D }
```

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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