

# Converting Colors

Hex(00BBA0)

Have a look what the booklet for  
Hex(00BBA0) contains.

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# Color

Hex(00BBA0)

# Conversions

## Conversions Part 1

Format	Color
Hex	00BBA0
RGB	0, 187, 160
RGB Percent	0%, 73%, 63%
CMY	1.0000, 0.2667, 0.3725
CMYK	1.00, 0.00, 0.14, 0.27
HSL	171°, 100%, 37%
HSV	171°, 100%, 73%
XYZ	24.1155, 38.0787, 39.3366
YIQ	128.0090, -102.7850, -48.0410

# Conversions

## Conversions Part 2

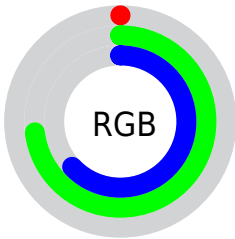
Format	Color
<a href="#">RYB</a>	<a href="#">0, 101, 187</a>
Decimal	<a href="#">48032</a>
CIELab	<a href="#">68.08, -45.87, 2.52</a>
CIELCh	<a href="#">68, 45.941, 176.856</a>
Yxy	<a href="#">38.0787, 0.2375, 0.3750</a>
Android (android.graphics.Color)	<a href="#">4278238112</a> ( <a href="#">0xFF00BBA0</a> )
YUV	<a href="#">128.0090, 15.7716, -112.2639</a>
Hunter-Lab	<a href="#">61.7080, -38.2311, 5.4003</a>

# Details

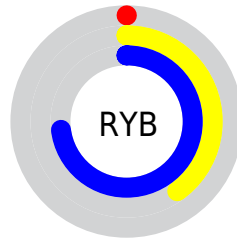
The Hex color **00BBA0** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BB001B**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **63F4D7**, and **00856D** is the 20% darker color. If you saturate the color by 10%, you get **00BBA0**, and if you desaturate by 10%, it is **13BBA3**.

# Distribution



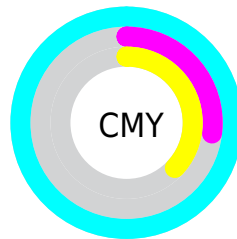
- Red (0%)
- Green (73%)
- Blue (63%)



- Red (0%)
- Yellow (40%)
- Blue (73%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (27%)



- Cyan (100%)
- Magenta (27%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00BBA0 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 00BBA0 by changing the saturation by 10% instead.



 00BBA0

 00BBA0

FFFFFF

 009F86

 63F4D7

 00856D

 82FFF3

 006B54

 A1FFFF

 00513D

 C0FFF

 003928

 DEFFF

 002313

FDFFF

 000000

 00BBA0

 13BBA3

 25BBA5

 38BBA8

 4BBBAB

 5EBBAD

 70BBB0

 83BBB3

 96BBB6

 A8BBB8

# Harmonies

## Analogous

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



67B777



00BBA0



00BBCA

# Triad

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



00BBA0



A39DF0



E39361

# Complementary

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



00BBA0



BB001B

# 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.



F48783



00BBA0



D58DD4

# Square

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



00BBA0



55ACF8



F084AC



C3A251

# Rectangle

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



00BBA0



00B8E1



F084AC



EA8E6B



# Sweetspot

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



00BBA0



AAF2E8



1CBB00



4E7A74



FAFAFA



7A7A7A



# Same Dimension

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



00BBA0



00F2CF



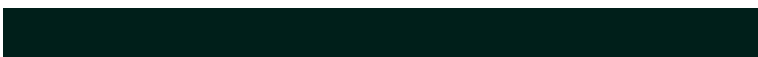
007ABB



555E5D



009E87



001F1A



# Inverse Universe

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



BB001B



F20023



BB4100



5E5556



9E0017

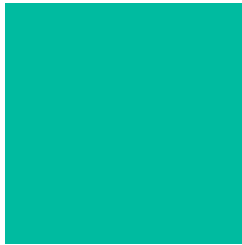


1F0004



# Previews

## White Background



This preview shows how the Hex color 00BBA0 looks on a white background.

## Color Contrast Check

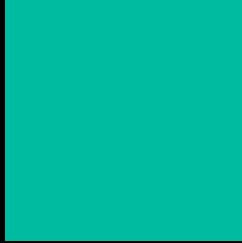
Large Text (above 18pt) WCAG AA × Fail

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 00BBA0 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 00BBA0 Background



This preview shows how black text looks on a background with the Hex color 00BBA0.

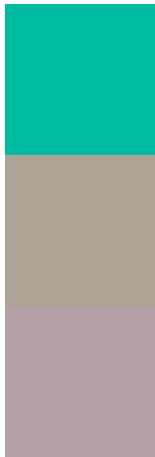


This preview shows how white text looks on a background with the Hex color 00BBA0.

# 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](#).

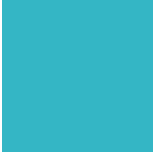
## Dichromacy



**Original Color**  
00BBA0

**Protanopia**  
ACA494

**Deuteranopia**  
B4A0A6



**Tritanopia**  
34B6C5

# Trichromacy



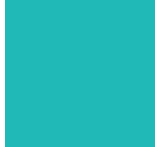
**Original Color**  
00BBA0



**Protanomaly**  
6DAC98



**Deuteranomaly**  
73AAA4



**Tritanomaly**  
21B8B8

# Monochromacy



**Original Color**  
00BBA0



**Achromatopsia**  
808080



**Achromatomaly**  
51958C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00BBA0 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 #00BBA0 looks like.

```
.text, #text, p{  
    color:#00BBA0  
}
```

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 #00BBA0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00BBA0
}
```

## Border

The CSS property to change the border of an element to Hex 00BBA0 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
#00BBA0 }
```

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

```
.border{ border-color:#00BBA0 }
```

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

Here you see how a box with a 4 pixel #00BBA0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00BBA0; -webkit-box-shadow:4px 4px  
4px 4px #00BBA0; box-shadow:4px 4px 4px  
4px #00BBA0 }
```

# Background

The CSS property to change the background color of an element to Hex 00BBA0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00BBA0 }
```

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

```
.background{ background-color:#00BBA0 }
```

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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