

# Converting Colors

Hex(00B499)

Have a look what the booklet for  
Hex(00B499) contains.

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# **Color**

**Hex(00B499)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B499
RGB	0, 180, 153
RGB Percent	0%, 71%, 60%
CMY	1.0000, 0.2941, 0.4000
CMYK	1.00, 0.00, 0.15, 0.29
HSL	171°, 100%, 35%
HSV	171°, 100%, 71%
XYZ	22.0710, 34.9424, 35.7183
YIQ	123.1020, -98.6130, -46.5570

# Conversions

## Conversions Part 2

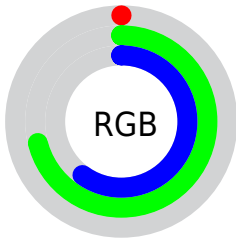
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 97, 180</a>
Decimal	<a href="#">46233</a>
CIELab	<a href="#">65.70, -44.85, 2.93</a>
CIELCh	<a href="#">66, 44.942, 176.257</a>
Yxy	<a href="#">34.9424, 0.2380, 0.3768</a>
Android (android.graphics.Color)	<a href="#">4278236313 (0xFF00B499)</a>
YUV	<a href="#">123.1020, 14.7397, -107.9605</a>
Hunter-Lab	<a href="#">59.1121, -36.7986, 5.5527</a>

# Details

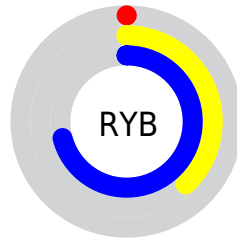
The Hex color **00B499** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B4001B**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **60EDCF**, and **007E66** is the 20% darker color. If you saturate the color by 10%, you get **00B499**, and if you desaturate by 10%, it is **12B49C**.

# Distribution



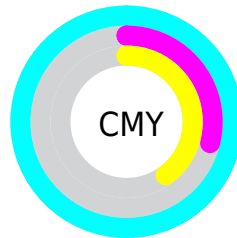
- Red (0%)
- Green (71%)
- Blue (60%)



- Red (0%)
- Yellow (38%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (15%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B499 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 00B499 by changing the saturation by 10% instead.



 00B499

 00B499

FFFFFF

 00997F

 60EDCF

 007E66

 80FFEB

 00644E

 9EFFFF

 004B37

 BDFFFF

 003322

 DBFFFF

 001D0C

 FAFFFF

 000000

 00B499

 12B49C

 24B49E

 36B4A1

 48B4A4

 5AB4A6

 6CB4A9

 7EB4AC

 90B4AF

 A2B4B1

# Harmonies

## Analogous

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



63B071



00B499



00B4C2

# Triad

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



00B499



9B97E8



DB8D5E

# Complementary

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



00B499



B4001B

# 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.



EB817E



00B499



CD88CD

# Square

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



00B499



4FA5F0



E87FA6



BD9C4D

# Rectangle

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



00B499



00B1D9



E87FA6



E28867



# Sweetspot

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



00B499



A4EBE0



1BB400



4B756F



F5F5F5



757575



# Same Dimension

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



00B499



00EBC7



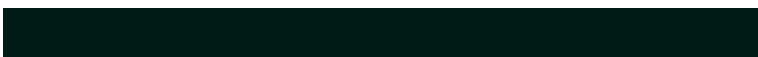
0078B4



505958



009982



001A16



# Inverse Universe

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



B4001B



EB0023



B43F00



595052



990017

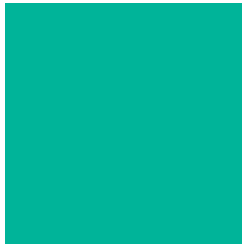


1A0004



# Previews

## White Background



This preview shows how the Hex color 00B499 looks on a white background.

## Color Contrast Check

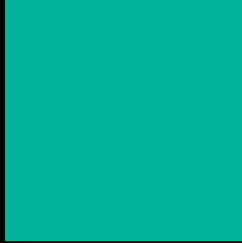
Large Text (above 18pt) WCAG AA × Fail

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 00B499 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

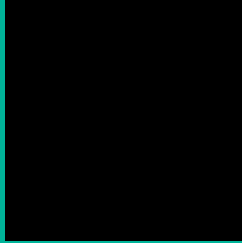
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 00B499 Background



This preview shows how black text looks on a background with the Hex color 00B499.

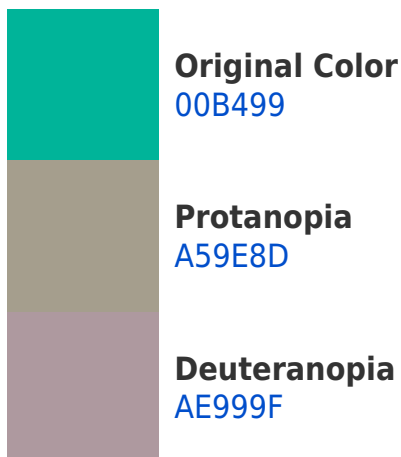


This preview shows how white text looks on a background with the Hex color 00B499.

# 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**  
32AFBD

# Trichromacy



**Original Color**  
00B499



**Protanomaly**  
69A691



**Deuteranomaly**  
6FA39D



**Tritanomaly**  
20B1B0

# Monochromacy



**Original Color**  
00B499



**Achromatopsia**  
7B7B7B



**Achromatomaly**  
4E9086

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B499 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 #00B499 looks like.

```
.text, #text, p{  
    color:#00B499  
}
```

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 #00B499 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B499
}
```

## Border

The CSS property to change the border of an element to Hex 00B499 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
#00B499 }
```

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

```
.border{ border-color:#00B499 }
```

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

Here you see how a box with a 4 pixel #00B499 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B499; -webkit-box-shadow:4px 4px  
4px 4px #00B499; box-shadow:4px 4px 4px  
4px #00B499 }
```

# Background

The CSS property to change the background color of an element to Hex 00B499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B499 }
```

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

```
.background{ background-color:#00B499 }
```

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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