

# Converting Colors

Hex(00B67F)

Have a look what the booklet for  
Hex(00B67F) contains.

<b>Hex(00B67F)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(00B67F)

# Conversions

## Conversions Part 1

Format	Color
Hex	00B67F
RGB	0, 182, 127
RGB Percent	0%, 71%, 50%
CMY	1.0000, 0.2863, 0.5020
CMYK	1.00, 0.00, 0.30, 0.29
HSL	162°, 100%, 36%
HSV	162°, 100%, 71%
XYZ	20.5587, 34.9882, 25.7485
YIQ	121.3120, -90.8170, -55.6890

# Conversions

## Conversions Part 2

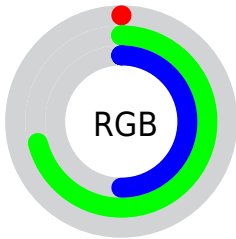
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 107, 182
Decimal	46719
CIELab	65.74, -52.19, 17.25
CIELCh	66, 54.964, 161.707
Yxy	34.9882, 0.2529, 0.4304
Android (android.graphics.Color)	4278236799 (0xFF00B67F)
YUV	121.3120, 2.8042, -106.3906
Hunter-Lab	59.1508, -41.4737, 15.5965

# Details

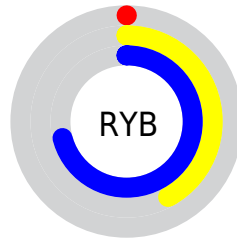
The Hex color **00B67F** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B60037**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **5FEFB4**, and **00804E** is the 20% darker color. If you saturate the color by 10%, you get **00B67F**, and if you desaturate by 10%, it is **12B685**.

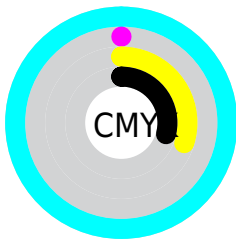
# Distribution



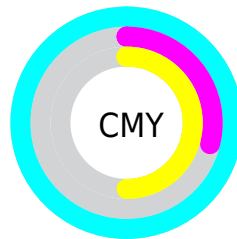
- Red (0%)
- Green (71%)
- Blue (50%)



- Red (0%)
- Yellow (42%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (30%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B67F 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 00B67F by changing the saturation by 10% instead.



 00B67F

 00B67F

FFFFFF

 009A66

 5FEFB4

 00804E

 7FFFD0

 006637

 9DFFEC

 004C21

 BBFFFF

 00350B

 DAFFFF

 001C00

 F8FFFF

 000000

 00B67F

 12B685

 24B68A

 37B690

 49B695

 5BB69B

 6DB6A0

 7FB6A6

 92B6AB

 A4B6B1

# Harmonies

## Analogous

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



73AF52



00B67F



00B8B2

# Triad

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



00B67F



6A9EFF



F28060

# Complementary

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



00B67F



B60037

# 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.



FB748E



00B67F



BC8BEA

# Square

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



00B67F



00ADFD



EA79C0



D49240

# Rectangle

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



00B67F



00B7D2



EA79C0



F77A6F



# Sweetspot

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



00B67F



A6EDD8



3AB600



4D786B



F7F7F7



787878



# Same Dimension

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



00B67F



00EDA5



0095B6



535C59



009C6D



001C14



# Inverse Universe

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



B60037



ED0048



B62100



5C5355



9C002F



1C0008



# Previews

## White Background



This preview shows how the Hex color 00B67F looks on a white background.

## Color Contrast Check

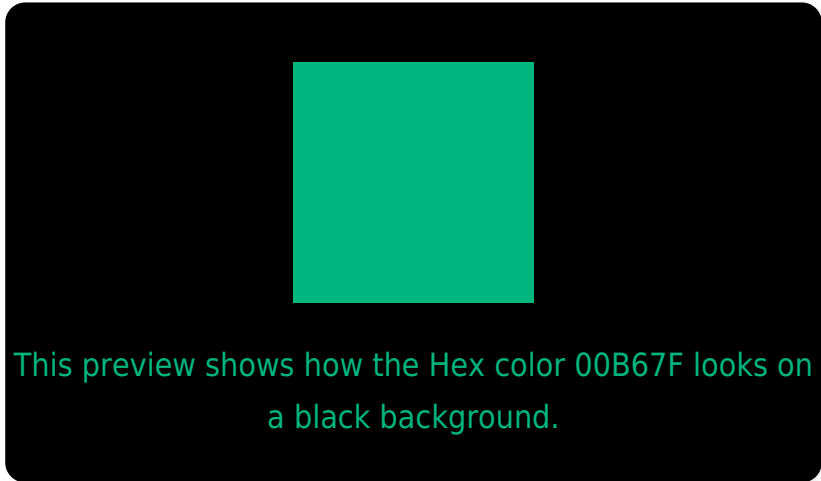
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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 00B67F Background



This preview shows how black text looks on a background with the Hex color 00B67F.

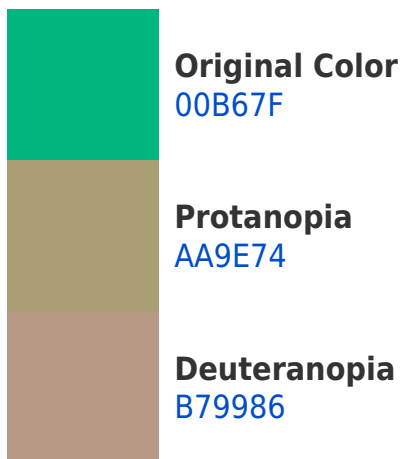


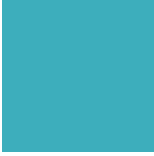
This preview shows how white text looks on a background with the Hex color 00B67F.

# 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





# Trichromacy



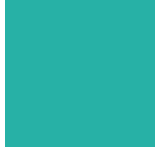
**Original Color**  
00B67F



**Protanomaly**  
6CA778



**Deuteranomaly**  
74A483



**Tritanomaly**  
27B1A6

# Monochromacy



**Original Color**  
00B67F



**Achromatopsia**  
797979



**Achromatomaly**  
4D8F7B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B67F 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 #00B67F looks like.

```
.text, #text, p{  
    color:#00B67F  
}
```

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 #00B67F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B67F
}
```

## Border

The CSS property to change the border of an element to Hex 00B67F 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
#00B67F }
```

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

```
.border{ border-color:#00B67F }
```

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

Here you see how a box with a 4 pixel #00B67F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B67F; -webkit-box-shadow:4px 4px  
4px 4px #00B67F; box-shadow:4px 4px 4px  
4px #00B67F }
```

# Background

The CSS property to change the background color of an element to Hex 00B67F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B67F }
```

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

```
.background{ background-color:#00B67F }
```

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