

# Converting Colors

Hex(00B77B)

Have a look what the booklet for  
Hex(00B77B) contains.

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# **Color**

**Hex(00B77B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B77B
RGB	0, 183, 123
RGB Percent	0%, 72%, 48%
CMY	1.0000, 0.2824, 0.5176
CMYK	1.00, 0.00, 0.33, 0.28
HSL	160°, 100%, 36%
HSV	160°, 100%, 72%
XYZ	20.5086, 35.2970, 24.4710
YIQ	121.4430, -89.8080, -57.4560

# Conversions

## Conversions Part 2

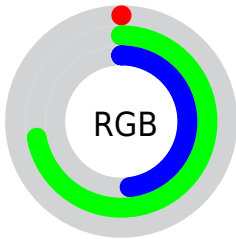
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 109, 183
Decimal	46971
CIELab	65.98, -53.46, 19.75
CIELCh	66, 56.993, 159.730
Yxy	35.2970, 0.2555, 0.4397
Android (android.graphics.Color)	4278237051 (0xFF00B77B)
YUV	121.4430, 0.7676, -106.5055
Hunter-Lab	59.4113, -42.3520, 17.1669

# Details

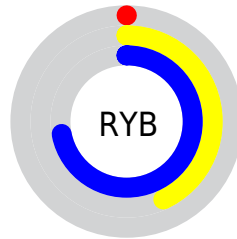
The Hex color **00B77B** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **B7003C**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **60F0B0**, and **00814A** is the 20% darker color. If you saturate the color by 10%, you get **00B77B**, and if you desaturate by 10%, it is **12B781**.

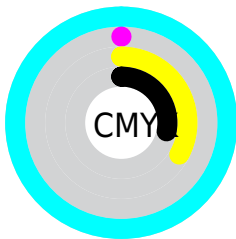
# Distribution



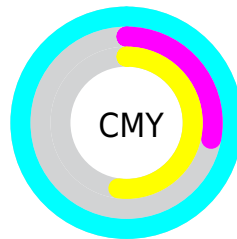
- Red (0%)
- Green (72%)
- Blue (48%)



- Red (0%)
- Yellow (43%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (33%)
- Black (28%)



- Cyan (100%)
- Magenta (28%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B77B 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 00B77B by changing the saturation by 10% instead.



 00B77B

 00B77B

FFFFFF

 009B62

 60F0B0

 00814A

 7FFFCB

 006633

 9DFFE7

 004D1D

 BCFFFF

 003506

 DAFFFF

 001D00

 F9FFFF

 000000

 00B77B

 12B781

 25B787

 37B78D

 49B793

 5CB799

 6EB79F

 80B7A5

 92B7AB

 A5B7B1

# Harmonies

## Analogous

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



75B04D



00B77B



00BAB0

# Triad

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



00B77B



5EA0FF



F67E61

# Complementary

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



00B77B



B7003C

# 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.



FE7292



00B77B



B98CEF

# Square

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



00B77B



00AFFF



EB79C5



D9913E

# Rectangle

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



00B77B



00B9D2



EB79C5



FC7871



# Sweetspot

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



00B77B



A6EDD6



3DB700



4D786A



F7F7F7



787878



# Same Dimension

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



00B77B



00ED9F



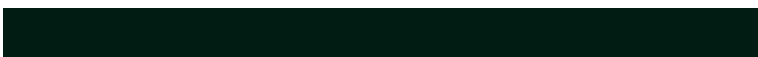
0098B7



535C59



009C69



001C13



# Inverse Universe

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



B7003C



ED004E



B71E00



5C5356



9C0033

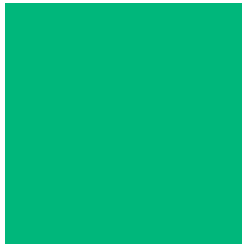


1C0009



# Previews

## White Background



This preview shows how the Hex color 00B77B looks on a white background.

## Color Contrast Check

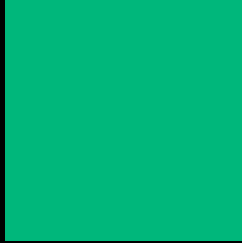
Large Text (above 18pt) WCAG AA × Fail

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 00B77B 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 00B77B Background



This preview shows how black text looks on a background with the Hex color 00B77B.

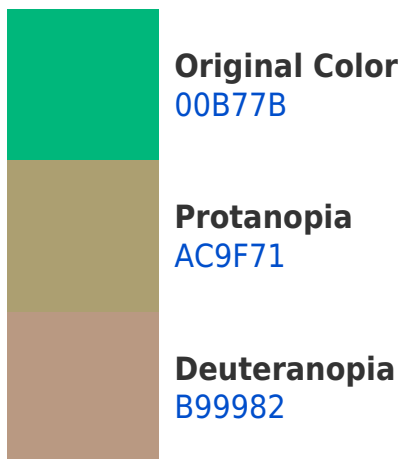


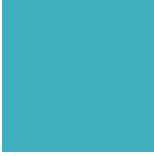
This preview shows how white text looks on a background with the Hex color 00B77B.

# 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**  
3FAFBD

# Trichromacy



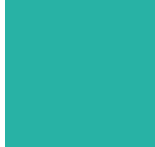
**Original Color**  
00B77B



**Protanomaly**  
6DA875



**Deuteranomaly**  
76A47F



**Tritanomaly**  
28B2A5

# Monochromacy



**Original Color**  
00B77B



**Achromatopsia**  
797979



**Achromatomaly**  
4D907A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B77B 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 #00B77B looks like.

```
.text, #text, p{  
  color:#00B77B  
}
```

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 #00B77B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B77B
}
```

## Border

The CSS property to change the border of an element to Hex 00B77B 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
#00B77B }
```

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

```
.border{ border-color:#00B77B }
```

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

Here you see how a box with a 4 pixel #00B77B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B77B; -webkit-box-shadow:4px 4px  
4px 4px #00B77B; box-shadow:4px 4px 4px  
4px #00B77B }
```

# Background

The CSS property to change the background color of an element to Hex 00B77B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B77B }
```

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

```
.background{ background-color:#00B77B }
```

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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