

# Converting Colors

Hex(00AE77)

Have a look what the booklet for  
Hex(00AE77) contains.

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**Color**

**Hex(00AE77)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00AE77
RGB	0, 174, 119
RGB Percent	0%, 68%, 47%
CMY	1.0000, 0.3176, 0.5333
CMYK	1.00, 0.00, 0.32, 0.32
HSL	161°, 100%, 34%
HSV	161°, 100%, 68%
XYZ	18.4658, 31.6040, 22.5797
YIQ	115.7040, -86.0490, -53.9930

# Conversions

## Conversions Part 2

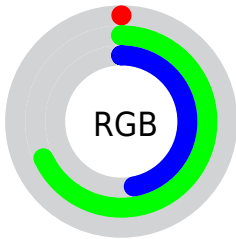
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 103, 174
Decimal	44663
CIELab	63.01, -50.99, 17.85
CIELCh	63, 54.025, 160.707
Yxy	31.6040, 0.2542, 0.4350
Android (android.graphics.Color)	4278234743 (0xFF00AE77)
YUV	115.7040, 1.6249, -101.4724
Hunter-Lab	56.2174, -39.7484, 15.5384

# Details

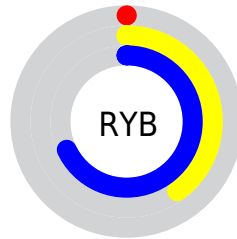
The Hex color **00AE77** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AE0037**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **5DE7AB**, and **007846** is the 20% darker color. If you saturate the color by 10%, you get **00AE77**, and if you desaturate by 10%, it is **11AE7C**.

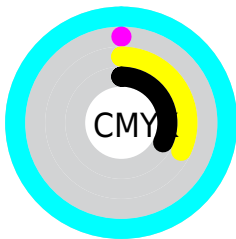
# Distribution



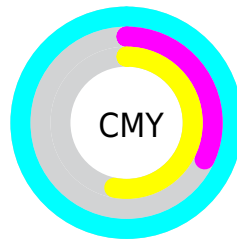
- Red (0%)
- Green (68%)
- Blue (47%)



- Red (0%)
- Yellow (40%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (32%)
- Black (32%)



- Cyan (100%)
- Magenta (32%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00AE77 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 00AE77 by changing the saturation by 10% instead.



 00AE77

 00AE77

FFFFFF

 00935E

 5DE7AB

 007846

 7CFFC7

 005E2F

 9AFFE3

 00451A

 B8FFFF

 002F01

 D6FFFF

 001200

 F4FFFF

 000000

 00AE77

 11AE7C

 23AE82

 34AE87

 46AE8D

 57AE93

 68AE98

 7AAE9E

 8BAEA3

 9DAEA9

# Harmonies

## Analogous

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



6EA74C



00AE77



00B0A9

# Triad

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



00AE77



6098F7



E9785C

# Complementary

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



00AE77



AE0037

# 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.



F16E89



00AE77



B285E2

# Square

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



00AE77



00A6F3



E073B9



CC8B3B

# Rectangle

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



00AE77



00AFC8



E073B9



EE736A



# Sweetspot

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



00AE77



9FE3CD



37AE00



497366



F2F2F2



737373



# Same Dimension

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



00AE77



00E39B



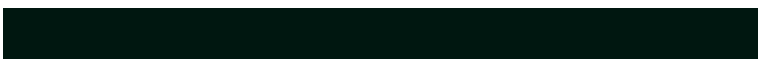
008EAE



4E5754



009667



001710



# Inverse Universe

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



AE0037



E30048



AE2000



574E51



960030



170007



# Previews

## White Background



This preview shows how the Hex color 00AE77 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 00AE77 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 00AE77 Background



This preview shows how black text looks on a background with the Hex color 00AE77.

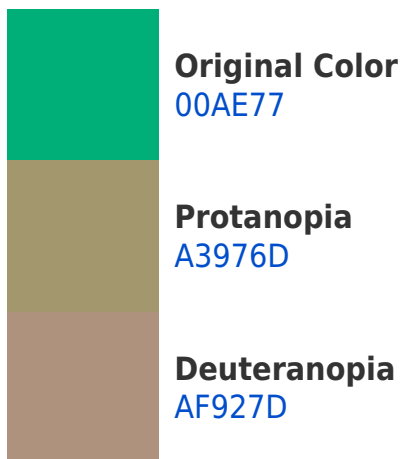


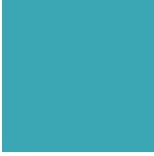
This preview shows how white text looks on a background with the Hex color 00AE77.

# 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**  
3BA6B4

# Trichromacy



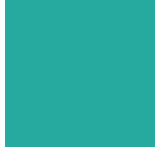
**Original Color**  
00AE77



**Protanomaly**  
689F71



**Deuteranomaly**  
6F9C7B



**Tritanomaly**  
26A99E

# Monochromacy



**Original Color**  
00AE77



**Achromatopsia**  
747474



**Achromatomaly**  
4A8975

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00AE77 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 #00AE77 looks like.

```
.text, #text, p{  
    color:#00AE77  
}
```

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 #00AE77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AE77
}
```

## Border

The CSS property to change the border of an element to Hex 00AE77 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
#00AE77 }
```

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

```
.border{ border-color:#00AE77 }
```

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

Here you see how a box with a 4 pixel #00AE77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AE77; -webkit-box-shadow:4px 4px  
4px 4px #00AE77; box-shadow:4px 4px 4px  
4px #00AE77 }
```

# Background

The CSS property to change the background color of an element to Hex 00AE77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AE77 }
```

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

```
.background{ background-color:#00AE77 }
```

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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