

# Converting Colors

Hex(00AA6E)

Have a look what the booklet for  
Hex(00AA6E) contains.

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# Color

**Hex(00AA6E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00AA6E
RGB	0, 170, 110
RGB Percent	0%, 67%, 43%
CMY	1.0000, 0.3333, 0.5686
CMYK	1.00, 0.00, 0.35, 0.33
HSL	159°, 100%, 33%
HSV	159°, 100%, 67%
XYZ	17.1892, 29.8752, 19.6124
YIQ	112.3300, -82.0600, -54.7000

# Conversions

## Conversions Part 2

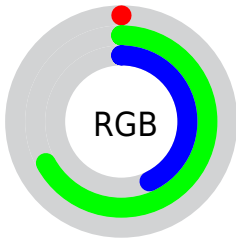
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 103, 170
Decimal	43630
CIELab	61.55, -51.50, 20.75
CIELCh	62, 55.521, 158.053
Yxy	29.8752, 0.2578, 0.4481
Android (android.graphics.Color)	4278233710 (0xFF00AA6E)
YUV	112.3300, -1.1487, -98.5134
Hunter-Lab	54.6582, -39.5164, 16.9864

# Details

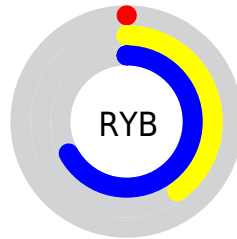
The Hex color **00AA6E** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **AA003C**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **5CE2A2**, and **00743E** is the 20% darker color. If you saturate the color by 10%, you get **00AA6E**, and if you desaturate by 10%, it is **11AA74**.

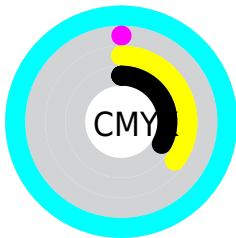
# Distribution



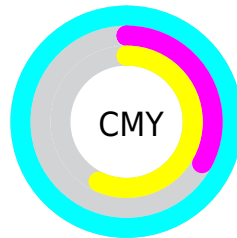
- Red (0%)
- Green (67%)
- Blue (43%)



- Red (0%)
- Yellow (40%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (35%)
- Black (33%)



- Cyan (100%)
- Magenta (33%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00AA6E 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 00AA6E by changing the saturation by 10% instead.



 00AA6E

 00AA6E

FFFFFF

 008F55

 5CE2A2

 00743E

 7AFFBD

 005B27

 98FFD9

 004212

 B6FFF6

 002C00


 D4FFFF

 000B00

 F2FFFF

 000000

 00AA6E

 11AA74

 22AA7A

 33AA80

 44AA86

 55AA8C

 66AA92

 77AA98

 88AA9E

 99AAA4

# Harmonies

## Analogous

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



6EA343



00AA6E



00ADA1

# Triad

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



00AA6E



4B96F6



E8725B

# Complementary

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



00AA6E



AA003C

# 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.



EE6889



00AA6E



A982E2

# Square

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



00AA6E



00A4EF



DB6FBA



CC8537

# Rectangle

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



00AA6E



00ACC1



DB6FBA



ED6D69



# Sweetspot

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



00AA6E



9BDEC6



3EAA00



487062



F0F0F0



707070



# Same Dimension

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



00AA6E



00DE90



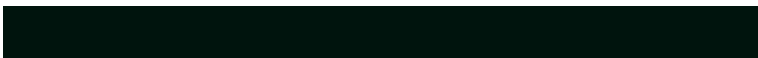
0093AA



4C5451



009460



00140D



# Inverse Universe

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



AA003C



DE004E



AA1700



544C4F



940034



140007



# Previews

## White Background



This preview shows how the Hex color 00AA6E looks on a white background.

## Color Contrast Check

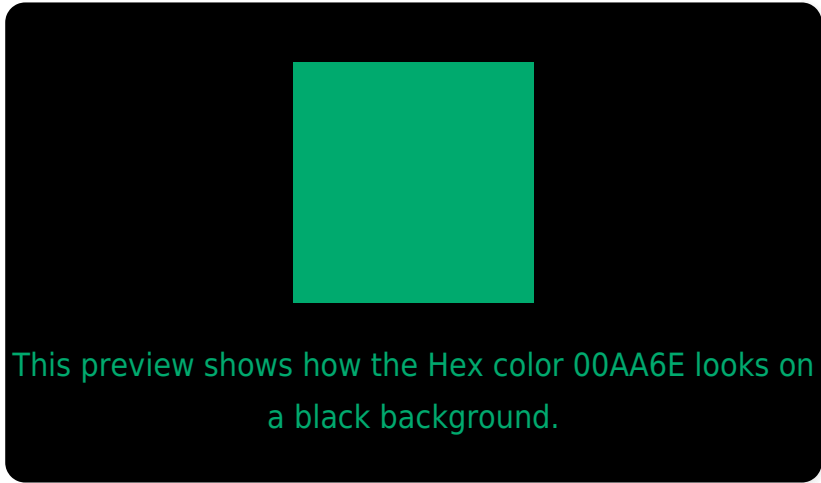
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex 00AA6E Background



This preview shows how black text looks on a background with the Hex color 00AA6E.

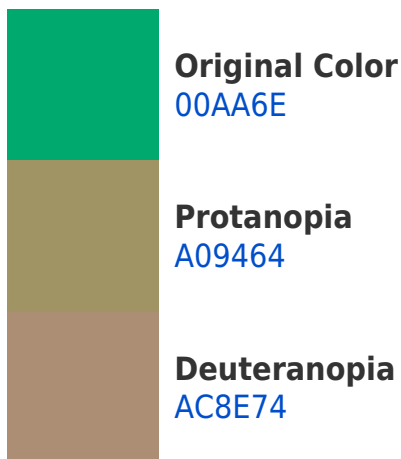


This preview shows how white text looks on a background with the Hex color 00AA6E.

# 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**  
3CA2AF

# Trichromacy



**Original Color**  
00AA6E



**Protanomaly**  
669C68



**Deuteranomaly**  
6D9872



**Tritanomaly**  
26A597

# Monochromacy



**Original Color**  
00AA6E



**Achromatopsia**  
707070



**Achromatomaly**  
47856F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00AA6E 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 #00AA6E looks like.

```
.text, #text, p{  
    color:#00AA6E  
}
```

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 #00AA6E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AA6E
}
```

## Border

The CSS property to change the border of an element to Hex 00AA6E 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
#00AA6E }
```

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

```
.border{ border-color:#00AA6E }
```

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

Here you see how a box with a 4 pixel #00AA6E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AA6E; -webkit-box-shadow:4px 4px  
4px 4px #00AA6E; box-shadow:4px 4px 4px  
4px #00AA6E }
```

# Background

The CSS property to change the background color of an element to Hex 00AA6E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AA6E }
```

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

```
.background{ background-color:#00AA6E }
```

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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