

# Converting Colors

Hex(00A746)

Have a look what the booklet for  
Hex(00A746) contains.

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**Color**

**Hex(00A746)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A746
RGB	0, 167, 70
RGB Percent	0%, 65%, 27%
CMY	1.0000, 0.3451, 0.7255
CMYK	1.00, 0.00, 0.58, 0.35
HSL	145°, 100%, 33%
HSV	145°, 100%, 65%
XYZ	14.9242, 28.0796, 10.4277
YIQ	106.0090, -68.3950, -65.5710

# Conversions

## Conversions Part 2

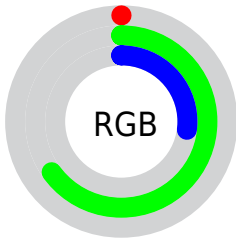
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 118, 167
Decimal	42822
CIELab	59.96, -57.67, 39.46
CIELCh	60, 69.880, 145.617
Yxy	28.0796, 0.2793, 0.5255
Android (android.graphics.Color)	4278232902 (0xFF00A746)
YUV	106.0090, -17.7524, -92.9699
Hunter-Lab	52.9902, -42.4600, 25.4258

# Details

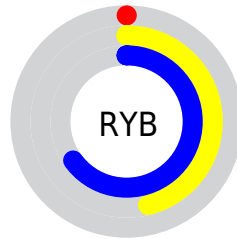
The Hex color **00A746** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **A70061**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **5BDF79**, and **007113** is the 20% darker color. If you saturate the color by 10%, you get **00A746**, and if you desaturate by 10%, it is **11A750**.

# Distribution



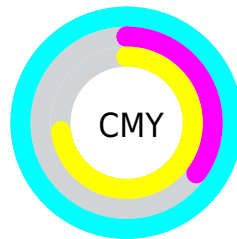
- Red (0%)
- Green (65%)
- Blue (27%)



- Red (0%)
- Yellow (46%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00A746 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 00A746 by changing the saturation by 10% instead.



 00A746

 00A746

FFFFFF

 008C2D

 5BDF79

 007113

 7AFD94

 005800

 98FFAF

 003F00

 B6FFCB


 002800

 D4FFE7

 000000

 F2FFFF

 00A746

 11A750

 21A759

 32A763

 43A76D

 53A776

 64A780

 75A78A

 86A794

 96A79D

# Harmonies

## Analogous

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



7A9D00



00A746



00AC85

# Triad

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



00A746



009BFF



FB565F

# Complementary

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



00A746



A70061

# 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.



F8509C



00A746



7C84FF

# Square

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



00A746



00A7F6



D166D7



E27127

# Rectangle

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



00A746



00ADB0



D166D7



FE5173



# Sweetspot

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



00A746



98D9B3



61A700



466E57



EDEDED



6E6E6E



# Same Dimension

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



00A746



00D95B



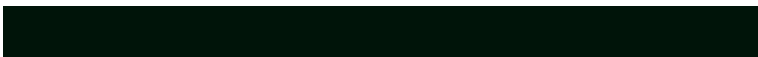
00A799



4C544F



00943E



001409



# Inverse Universe

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



A70061



D9007E



A7000E



544C51



940056



14000C



# Previews

## White Background



This preview shows how the Hex color 00A746 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



This preview shows how the Hex color 00A746 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 × Fail

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



## Hex 00A746 Background



This preview shows how black text looks on a background with the Hex color 00A746.



This preview shows how white text looks on a background with the Hex color 00A746.

# 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



**Original Color**  
00A746

**Protanopia**  
A0903F

**Deuteranopia**  
B0894E



**Tritanopia**  
429DA9

# Trichromacy



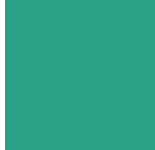
**Original Color**  
00A746



**Protanomaly**  
669842



**Deuteranomaly**  
70944B



**Tritanomaly**  
2AA185

# Monochromacy



**Original Color**  
00A746



**Achromatopsia**  
6A6A6A



**Achromatomaly**  
43805D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00A746 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 #00A746 looks like.

```
.text, #text, p{  
    color:#00A746  
}
```

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 #00A746 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A746
}
```

## Border

The CSS property to change the border of an element to Hex 00A746 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
#00A746 }
```

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

```
.border{ border-color:#00A746 }
```

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

Here you see how a box with a 4 pixel #00A746 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A746; -webkit-box-shadow:4px 4px  
4px 4px #00A746; box-shadow:4px 4px 4px  
4px #00A746 }
```

# Background

The CSS property to change the background color of an element to Hex 00A746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A746 }
```

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

```
.background{ background-color:#00A746 }
```

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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