

# Converting Colors

Hex(00A649)

Have a look what the booklet for  
Hex(00A649) contains.

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**Color**

**Hex(00A649)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A649
RGB	0, 166, 73
RGB Percent	0%, 65%, 29%
CMY	1.0000, 0.3490, 0.7137
CMYK	1.00, 0.00, 0.56, 0.35
HSL	146°, 100%, 33%
HSV	146°, 100%, 65%
XYZ	14.8388, 27.7535, 10.8782
YIQ	105.7640, -69.0830, -64.1150

# Conversions

## Conversions Part 2

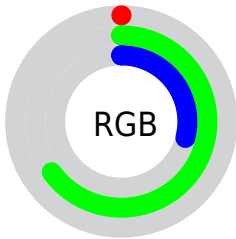
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 115, 166
Decimal	42569
CIELab	59.67, -56.91, 37.65
CIELCh	60, 68.242, 146.511
Yxy	27.7535, 0.2775, 0.5190
Android (android.graphics.Color)	4278232649 (0xFF00A649)
YUV	105.7640, -16.1527, -92.7550
Hunter-Lab	52.6816, -41.9147, 24.6343

# Details

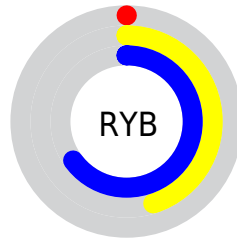
The Hex color **00A649** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **A6005D**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **5BDE7C**, and **007017** is the 20% darker color. If you saturate the color by 10%, you get **00A649**, and if you desaturate by 10%, it is **11A652**.

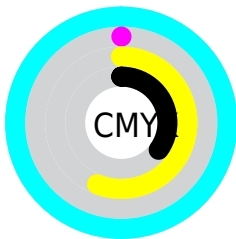
# Distribution



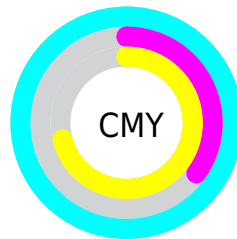
- Red (0%)
- Green (65%)
- Blue (29%)



- Red (0%)
- Yellow (45%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (35%)



- Cyan (100%)
- Magenta (35%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00A649 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 00A649 by changing the saturation by 10% instead.



 00A649

 00A649


FFFFFF

 008B30

 5BDE7C

 007017

 7AFB96

 005700

 97FFB2

 003E00

 B5FFCE


 002700

 D3FFEA

 000000

 F1FFFF

 00A649

 11A652

 21A65C

 32A665

 42A66E

 53A678

 64A681

 74A68A

 85A693

 95A69D

# Harmonies

## Analogous

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



789C08



00A649



00AB87

# Triad

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



00A649



0099FF



F8585E

# Complementary

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



00A649



A6005D

# 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.



F65199



00A649



8083FC

# Square

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



00A649



00A6F3



D166D3



DE7228

# Rectangle

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



00A649



00ABB0



D166D3



FA5371



# Sweetspot

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



00A649



98D9B4



5EA600



466E58



EDEDED



6E6E6E



# Same Dimension

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



00A649



00D95F



00A69B



4C544F



009441



001409



# Inverse Universe

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



A6005D



D90079



A6000B



544C50



940053



14000B



# Previews

## White Background



This preview shows how the Hex color 00A649 looks on a white background.

## Color Contrast Check

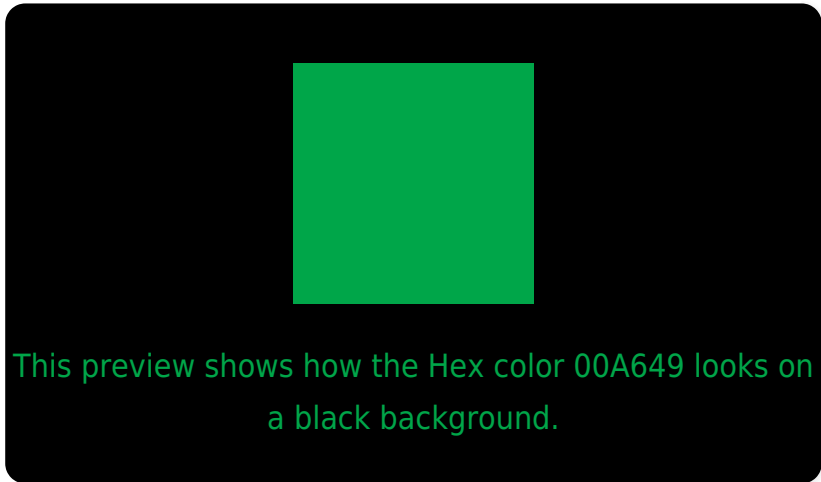
Large Text (above 18pt) WCAG AA ✓ Pass

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 00A649 Background



This preview shows how black text looks on a background with the Hex color 00A649.



This preview shows how white text looks on a background with the Hex color 00A649.

# 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**  
00A649

**Protanopia**  
9E8F42

**Deuteranopia**  
AE8851



**Tritanopia**  
419CA9

# Trichromacy



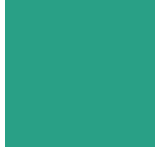
**Original Color**  
00A649



**Protanomaly**  
659745



**Deuteranomaly**  
6F934E



**Tritanomaly**  
29A086

# Monochromacy



**Original Color**  
00A649



**Achromatopsia**  
6A6A6A



**Achromatomaly**  
43805E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00A649 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 #00A649 looks like.

```
.text, #text, p{  
    color:#00A649  
}
```

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 #00A649 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00A649
}
```

## Border

The CSS property to change the border of an element to Hex 00A649 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
#00A649 }
```

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

```
.border{ border-color:#00A649 }
```

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

Here you see how a box with a 4 pixel #00A649 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00A649; -webkit-box-shadow:4px 4px  
4px 4px #00A649; box-shadow:4px 4px 4px  
4px #00A649 }
```

# Background

The CSS property to change the background color of an element to Hex 00A649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00A649 }
```

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

```
.background{ background-color:#00A649 }
```

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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