

# Converting Colors

Hex(00AF4D)

Have a look what the booklet for  
Hex(00AF4D) contains.

<b>Hex(00AF4D)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(00AF4D)

# Conversions

## Conversions Part 1

Format	Color
Hex	00AF4D
RGB	0, 175, 77
RGB Percent	0%, 69%, 30%
CMY	1.0000, 0.3137, 0.6980
CMYK	1.00, 0.00, 0.56, 0.31
HSL	146°, 100%, 34%
HSV	146°, 100%, 69%
XYZ	16.6695, 31.1958, 12.1640
YIQ	111.5030, -72.8420, -67.5780

# Conversions

## Conversions Part 2

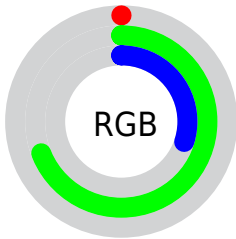
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 122, 175</a>
Decimal	<a href="#">44877</a>
CIELab	<a href="#">62.67, -59.23, 39.32</a>
CIELCh	<a href="#">63, 71.092, 146.423</a>
Yxy	<a href="#">31.1958, 0.2777, 0.5197</a>
Android (android.graphics.Color)	<a href="#">4278234957 (0xFF00AF4D)</a>
YUV	<a href="#">111.5030, -17.0100, -97.7881</a>
Hunter-Lab	<a href="#">55.8532, -44.4692, 26.1847</a>

# Details

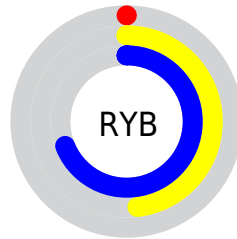
The Hex color **00AF4D** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **AF0062**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **5EE880**, and **00791B** is the 20% darker color. If you saturate the color by 10%, you get **00AF4D**, and if you desaturate by 10%, it is **11AF57**.

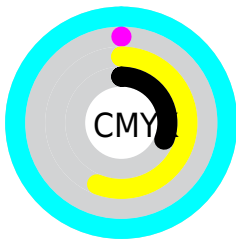
# Distribution



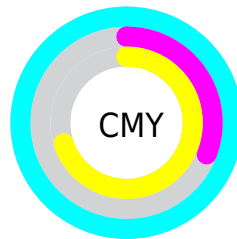
- Red (0%)
- Green (69%)
- Blue (30%)



- Red (0%)
- Yellow (48%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00AF4D 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 00AF4D by changing the saturation by 10% instead.



 00AF4D

 00AF4D


FFFFFF

 009434

 5EE880

 00791B

 7DFF9B

 005F00

 9BFFB6

 004500

 B9FFD3

 002F00

 D7FFE7

 001100

 F6FFFF

 000000

 00AF4D

 11AF57

 23AF61

 35AF6A

 46AF74

 58AF7E

 69AF88

 7AAF92

 8CAF9B

 9EAF A5

# Harmonies

## Analogous

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



7FA408



00AF4D



00B48E

# Triad

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



00AF4D



00A1FF



FF5D63

# Complementary

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



00AF4D



AF0062

# 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.



FF56A2



00AF4D



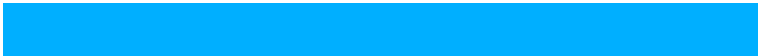
868AFF

# Square

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



00AF4D



00AFFF



DC6CDE



EA782A

# Rectangle

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



00AF4D



00B5BA



DC6CDE



FF5778



# Sweetspot

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



00AF4D



9FE3BD



63AF00



49735C



F2F2F2



737373



# Same Dimension

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



00AF4D



00E364



00AFA3



4E5752



009642



00170A



# Inverse Universe

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



AF0062



E3007F



AF000C



574E53



960054



17000D



# Previews

## White Background



This preview shows how the Hex color 00AF4D looks on a white background.

## Color Contrast Check

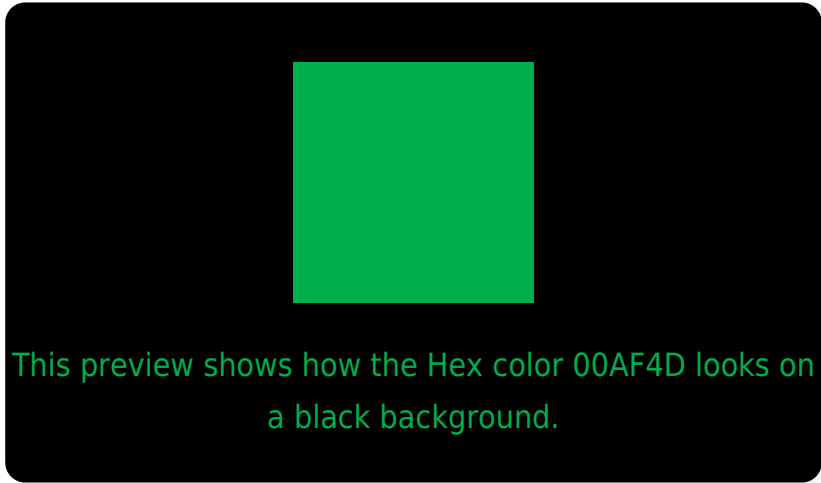
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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 00AF4D Background



This preview shows how black text looks on a background with the Hex color 00AF4D.

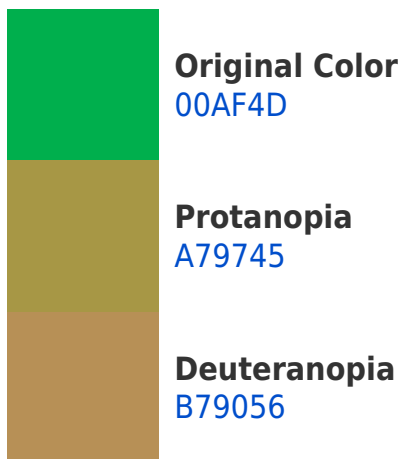


This preview shows how white text looks on a background with the Hex color 00AF4D.

# 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](#).

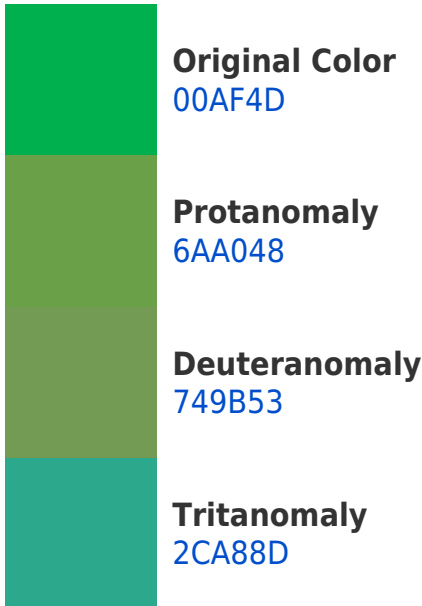
## Dichromacy



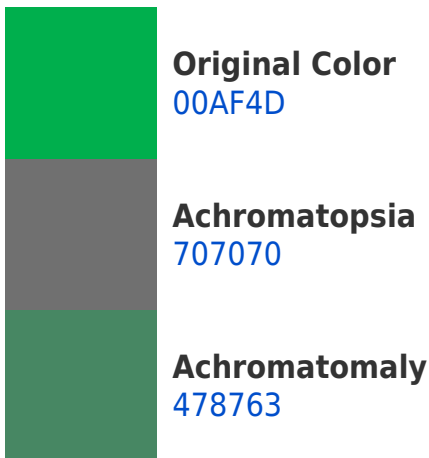


**Tritanopia**  
45A4B2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00AF4D 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 #00AF4D looks like.

```
.text, #text, p{  
    color:#00AF4D  
}
```

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 #00AF4D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00AF4D
}
```

## Border

The CSS property to change the border of an element to Hex 00AF4D 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
#00AF4D }
```

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

```
.border{ border-color:#00AF4D }
```

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

Here you see how a box with a 4 pixel #00AF4D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00AF4D; -webkit-box-shadow:4px 4px  
4px 4px #00AF4D; box-shadow:4px 4px 4px  
4px #00AF4D }
```

# Background

The CSS property to change the background color of an element to Hex 00AF4D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00AF4D }
```

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

```
.background{ background-color:#00AF4D }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor