

# Converting Colors

Hex(66CA2A)

Have a look what the booklet for  
Hex(66CA2A) contains.

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**Color**

**Hex(66CA2A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	66CA2A
RGB	102, 202, 42
RGB Percent	40%, 79%, 16%
CMY	0.6000, 0.2078, 0.8353
CMYK	0.50, 0.00, 0.79, 0.21
HSL	98°, 66%, 48%
HSV	98°, 79%, 79%
XYZ	27.0179, 45.2330, 9.4973
YIQ	153.8600, -8.2400, -70.9600

# Conversions

## Conversions Part 2

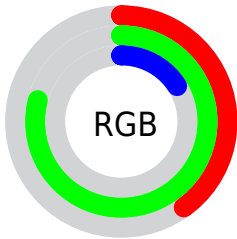
Format	Color
<a href="#">RYB</a>	<a href="#">42, 202, 142</a>
Decimal	<a href="#">6736426</a>
CIELab	<a href="#">73.05, -55.06, 64.83</a>
CIELCh	<a href="#">73, 85.054, 130.341</a>
Yxy	<a href="#">45.2330, 0.3305, 0.5533</a>
Android (android.graphics.Color)	<a href="#">4284926506 (0xFF66CA2A)</a>
YUV	<a href="#">153.8600, -55.1470, -45.4812</a>
Hunter-Lab	<a href="#">67.2555, -45.9899, 38.7063</a>

# Details

The Hex color **66CA2A** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **8E2ACA**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **A1FF65**, and **239300** is the 20% darker color. If you saturate the color by 10%, you get **59CA16**, and if you desaturate by 10%, it is **73CA3E**.

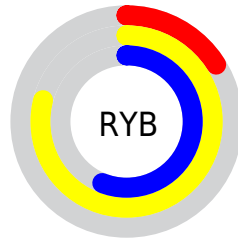
# Distribution



Red (40%)

Green (79%)

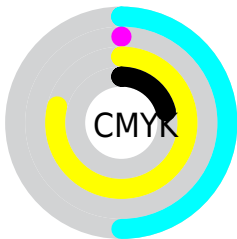
Blue (16%)



Red (16%)

Yellow (79%)

Blue (56%)

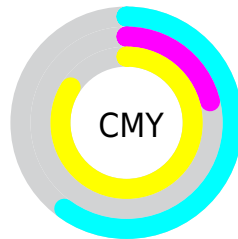


Cyan (50%)

Magenta (0%)

Yellow (79%)

Black (21%)



Cyan (60%)

Magenta (21%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66CA2A 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 66CA2A by changing the saturation by 10% instead.



 66CA2A

 66CA2A

FFFFFF

 47AE00

 A1FF65

 239300

 BFFF81

 007800

 DDF99D

 005F00

 FBFB9

 004600

 FFFD6

 003000

 FFFF4

 001300

 000000

 66CA2A

 66CA2A

■ 59CA16

■ 73CA3E

■ 4DCA02

■ 7FCA52

■ 4CCA00

■ 8CCA67

■ 99CA7B

■ A5CA8F

■ B2CAA3

■ BECAB7

■ CBCACC

■ D8CAE0

# Harmonies

## Analogous

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



BEB800



66CA2A



00D37C

# Triad

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



66CA2A



00CAFF



FF5E9C

# Complementary

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



66CA2A



8E2ACA

# 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.



FF6BEA



66CA2A



00B4FF

# Square

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



66CA2A



00D4FF



D791FF



FF7851

# Rectangle

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



66CA2A



00D6B2



D791FF



FF5DB6

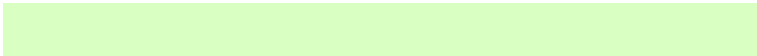


# Sweetspot

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



66CA2A



D9FFC2



CA8D2A



68805B



000000



808080



# Same Dimension

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



66CA2A



68FF0D



2ACA3D



60665C



3EA600



0E2600



# Inverse Universe

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



8E2ACA



A40DFE



CA2AB7



625C66



6800A6



180026



# Previews

## White Background



This preview shows how the Hex color 66CA2A looks on a white background.

## Color Contrast Check

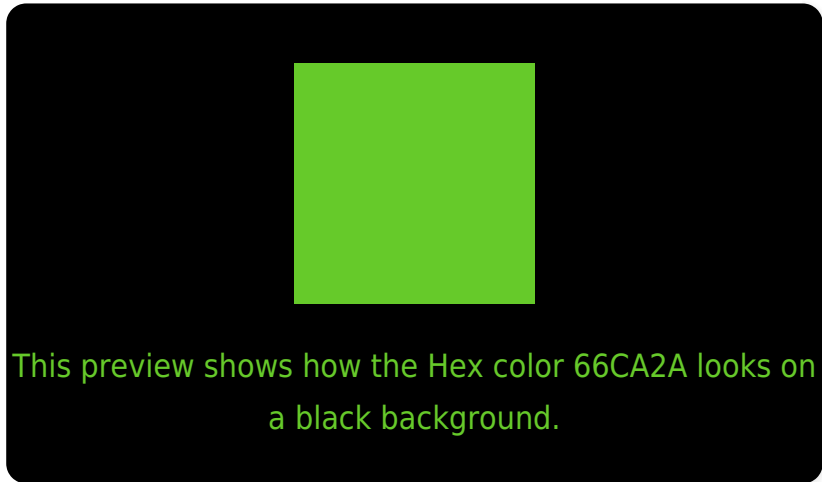
Large Text (above 18pt) WCAG AA × Fail

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 66CA2A Background



This preview shows how black text looks on a background with the Hex color 66CA2A.

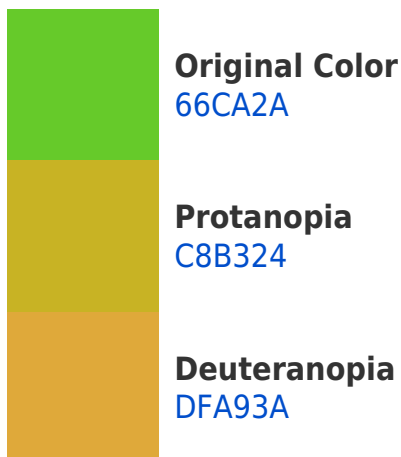


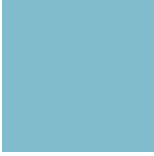
This preview shows how white text looks on a background with the Hex color 66CA2A.

# 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](#).

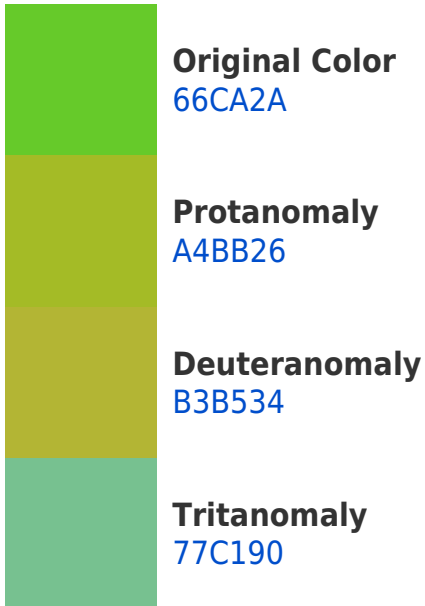
## Dichromacy



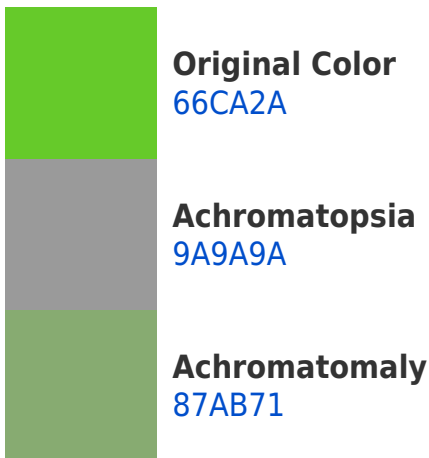


**Tritanopia**  
80BCCB

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66CA2A 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 #66CA2A looks like.

```
.text, #text, p{  
    color:#66CA2A  
}
```

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 #66CA2A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66CA2A
}
```

## Border

The CSS property to change the border of an element to Hex 66CA2A 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
#66CA2A }
```

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

```
.border{ border-color:#66CA2A }
```

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

Here you see how a box with a 4 pixel #66CA2A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66CA2A; -webkit-box-shadow:4px 4px  
4px 4px #66CA2A; box-shadow:4px 4px 4px  
4px #66CA2A }
```

# Background

The CSS property to change the background color of an element to Hex 66CA2A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66CA2A }
```

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

```
.background{ background-color:#66CA2A }
```

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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