

# Converting Colors

Hex(67A646)

Have a look what the booklet for  
Hex(67A646) contains.

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**Color**

**Hex(67A646)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	67A646
RGB	103, 166, 70
RGB Percent	40%, 65%, 27%
CMY	0.5961, 0.3490, 0.7255
CMYK	0.38, 0.00, 0.58, 0.35
HSL	99°, 41%, 46%
HSV	99°, 58%, 65%
XYZ	20.3352, 30.5982, 10.6286
YIQ	136.2190, -6.7320, -43.2120

# Conversions

## Conversions Part 2

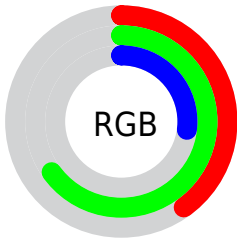
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 166, 133
Decimal	6792774
CIELab	62.17, -37.88, 42.68
CIELCh	62, 57.067, 131.588
Yxy	30.5982, 0.3303, 0.4970
Android (android.graphics.Color)	4284982854 (0xFF67A646)
YUV	136.2190, -32.6460, -29.1331
Hunter-Lab	55.3156, -31.1819, 27.3287

# Details

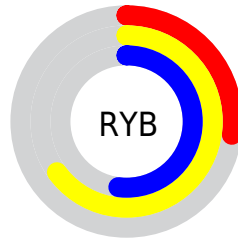
The Hex color **67A646** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **8546A6**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **9EDE79**, and **317112** is the 20% darker color. If you saturate the color by 10%, you get **5CA635**, and if you desaturate by 10%, it is **72A657**.

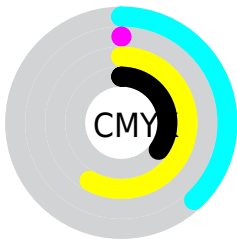
# Distribution



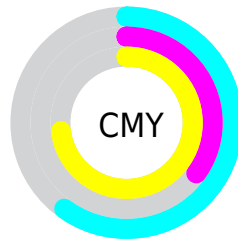
- Red (40%)
- Green (65%)
- Blue (27%)



- Red (27%)
- Yellow (65%)
- Blue (52%)



- Cyan (38%)
- Magenta (0%)
- Yellow (58%)
- Black (35%)



- Cyan (60%)
- Magenta (35%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 67A646 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 67A646 by changing the saturation by 10% instead.



 67A646

 67A646

FFFFFF

 4C8B2D

 9EDE79

 317112

 BAFA94

 125800

 D6FFAF

 004000

 F3FFCB

 002A00

 FFFFE8

 000E00

 000000

 67A646

 67A646

 5CA635

 72A657

■ 51A625

■ 7DA667

■ 46A614

■ 88A678

■ 3BA604

■ 93A688

■ 39A600

■ 9DA699

■ A8A6AA

■ B3A6BA

■ BEA6CB

■ C9A6DB

# Harmonies

## Analogous

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



9F9A2A



67A646



00AD74

# Triad

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



67A646



00A4F6



F36885

# Complementary

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



67A646



8546A6

# 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.



E26DB7



67A646



5A95FA

# Square

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



67A646



00ADD8



B280E2



E97455

# Rectangle

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



67A646



00AF97



B280E2



F16796



# Sweetspot

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



67A646



C1D9B4



A68446



5F6E58



EDEDED



6E6E6E



# Same Dimension

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



67A646



77D943



46A654



4F544C



339400



071400



# Inverse Universe

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



8546A6



A543D9



A64698



514C54



610094



0D0014



# Previews

## White Background



This preview shows how the Hex color 67A646 looks on a white background.

## Color Contrast Check

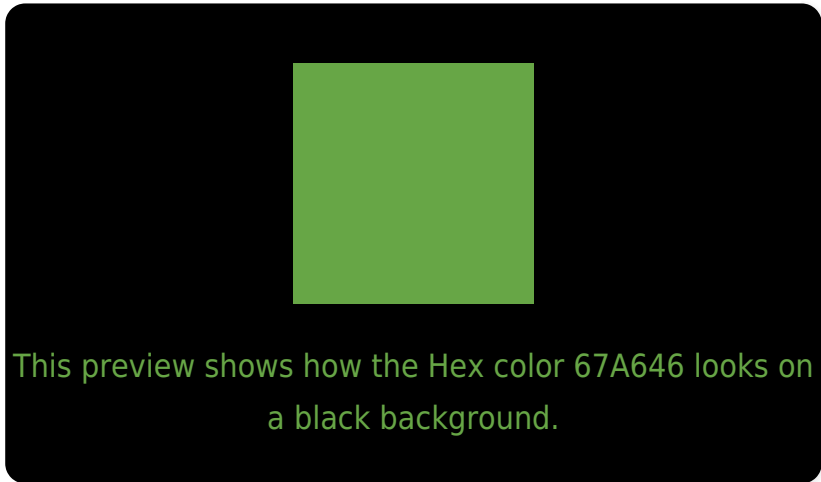
Large Text (above 18pt) WCAG AA × Fail

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 67A646 Background



This preview shows how black text looks on a background with the Hex color 67A646.

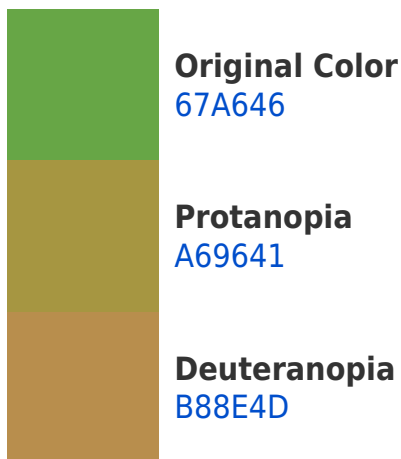


This preview shows how white text looks on a background with the Hex color 67A646.

# 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](#).

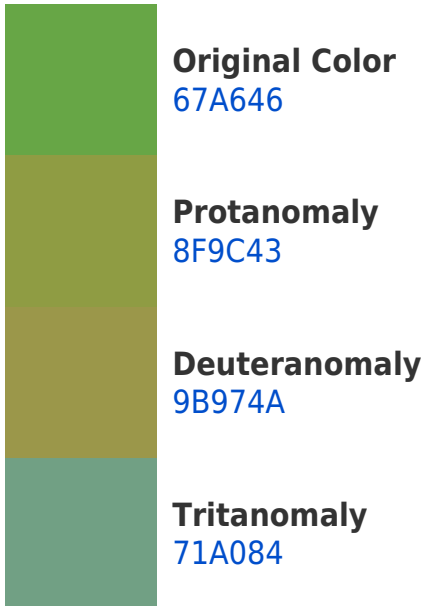
## Dichromacy



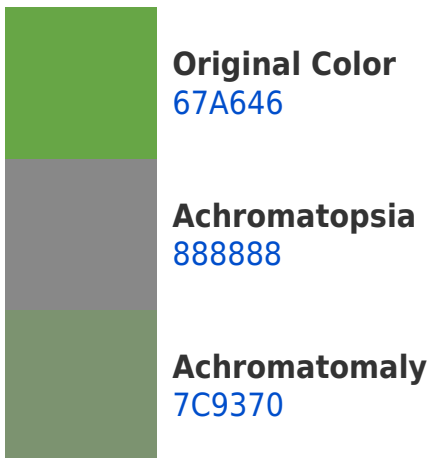


**Tritanopia**  
779CA8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 67A646 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 #67A646 looks like.

```
.text, #text, p{  
    color:#67A646  
}
```

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 #67A646 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #67A646
}
```

## Border

The CSS property to change the border of an element to Hex 67A646 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
#67A646 }
```

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

```
.border{ border-color:#67A646 }
```

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

Here you see how a box with a 4 pixel #67A646 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #67A646; -webkit-box-shadow:4px 4px  
4px 4px #67A646; box-shadow:4px 4px 4px  
4px #67A646 }
```

# Background

The CSS property to change the background color of an element to Hex 67A646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#67A646 }
```

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

```
.background{ background-color:#67A646 }
```

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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