

# Converting Colors

Hex(67E800)

Have a look what the booklet for  
Hex(67E800) contains.

<b>Hex(67E800)</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(67E800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	67E800
RGB	103, 232, 0
RGB Percent	40%, 91%, 0%
CMY	0.5961, 0.0902, 1.0000
CMYK	0.56, 0.00, 1.00, 0.09
HSL	93°, 100%, 45%
HSV	93°, 100%, 91%
XYZ	34.4501, 60.5968, 9.8806
YIQ	166.9810, -2.4120, -99.5000

# Conversions

## Conversions Part 2

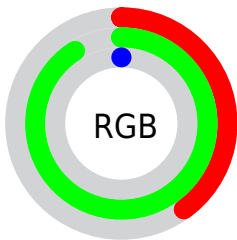
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 232, 129
Decimal	6809600
CIELab	82.16, -66.61, 79.37
CIELCh	82, 103.619, 130.007
Yxy	60.5968, 0.3283, 0.5775
Android (android.graphics.Color)	4284999680 (0xFF67E800)
YUV	166.9810, -82.3216, -56.1113
Hunter-Lab	77.8439, -57.2310, 46.9651

# Details

The Hex color **67E800** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **8100E8**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **A6FF58**, and **0FAF00** is the 20% darker color. If you saturate the color by 10%, you get **67E800**, and if you desaturate by 10%, it is **74E817**.

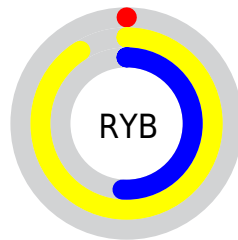
# Distribution



Red (40%)

Green (91%)

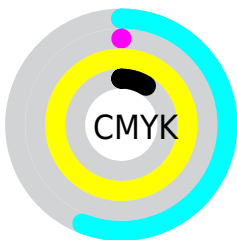
Blue (0%)



Red (0%)

Yellow (91%)

Blue (51%)

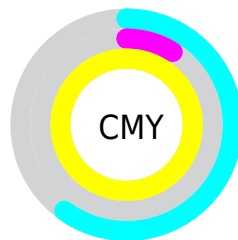


Cyan (56%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (60%)

Magenta (9%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 67E800 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 67E800 by changing the saturation by 10% instead.



 67E800

 67E800


FFFFFF

 44CB00

 A6FF58

 0FAF00

 C5FF76

 009400

 E4FF94

 007900

 FFFFB1

 005F00

 FFFFCF

 004500

 FFFFEC

 002E00

 000E00

 000000

 67E800

 74E817

 81E82E

 8EE846

 9BE85D

 A8E874

 B4E88B

 C1E8A2

 CEE8BA

 DBE8D1

# Harmonies

## Analogous

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



D8D300



67E800



00F385

# Triad

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



67E800



00E9FF



FF54B0

# Complementary

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



67E800



8100E8

# 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.



FF6BFF



67E800



00CEFF

# Square

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



67E800



00F5FF



F6A1FF



FF7E53

# Rectangle

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



67E800



00F6CA



F6A1FF



FF53D1

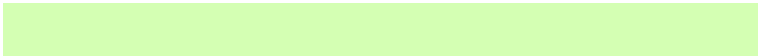


# Sweetspot

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



67E800



D4FFB3



E88000



668052



000000



808080



# Same Dimension

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



67E800



71FF00



00E80C



6C7367



4FB300



173300



# Inverse Universe

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



8100E8



8E00FF



E800DC



6E6773



6300B3

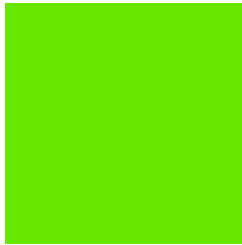


1C0033



# Previews

## White Background



This preview shows how the Hex color 67E800 looks on a white background.

## Color Contrast Check

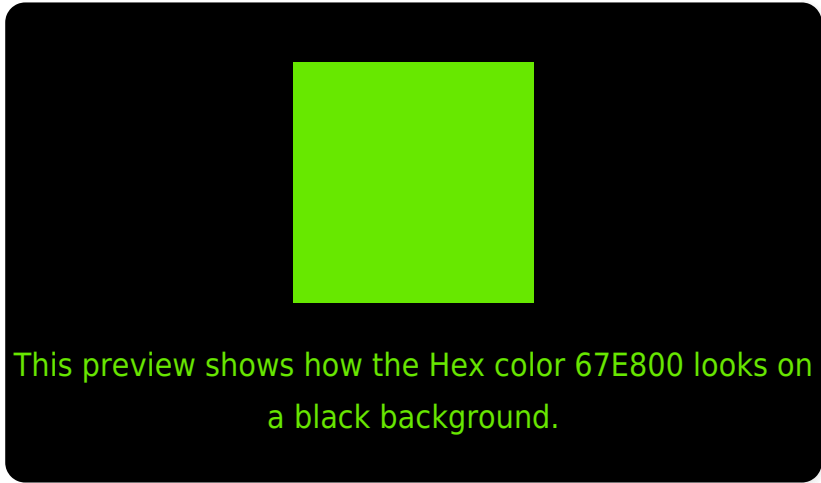
Large Text (above 18pt) WCAG AA × Fail

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

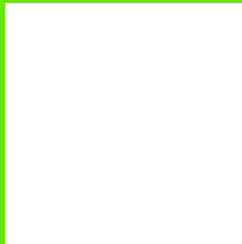
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 67E800 Background



This preview shows how black text looks on a background with the Hex color 67E800.

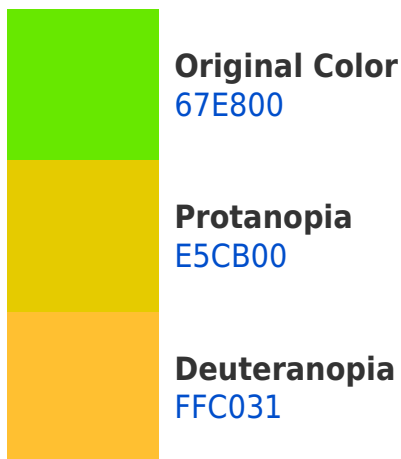


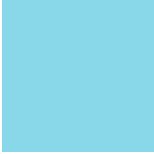
This preview shows how white text looks on a background with the Hex color 67E800.

# 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](#).

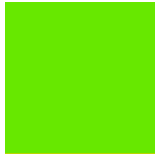
## Dichromacy





**Tritanopia**  
89D8E9

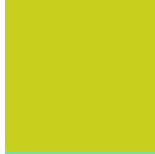
# Trichromacy



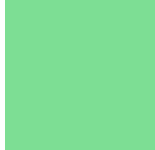
**Original Color**  
67E800



**Protanomaly**  
B7D600



**Deuteranomaly**  
C8CF1F



**Tritanomaly**  
7DDE94

# Monochromacy



**Original Color**  
67E800



**Achromatopsia**  
A7A7A7



**Achromatomaly**  
90BF6A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 67E800 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 #67E800 looks like.

```
.text, #text, p{  
    color:#67E800  
}
```

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 #67E800 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #67E800
}
```

## Border

The CSS property to change the border of an element to Hex 67E800 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
#67E800 }
```

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

```
.border{ border-color:#67E800 }
```

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

Here you see how a box with a 4 pixel #67E800 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #67E800; -webkit-box-shadow:4px 4px  
4px 4px #67E800; box-shadow:4px 4px 4px  
4px #67E800 }
```

# Background

The CSS property to change the background color of an element to Hex 67E800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#67E800 }
```

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

```
.background{ background-color:#67E800 }
```

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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