

# Converting Colors

Hex(68E916)

Have a look what the booklet for  
Hex(68E916) contains.

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**Color**

**Hex(68E916)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68E916
RGB	104, 233, 22
RGB Percent	41%, 91%, 9%
CMY	0.5922, 0.0863, 0.9137
CMYK	0.55, 0.00, 0.91, 0.09
HSL	97°, 83%, 50%
HSV	97°, 91%, 91%
XYZ	34.9927, 61.2788, 10.7427
YIQ	170.3750, -9.1530, -92.9690

# Conversions

## Conversions Part 2

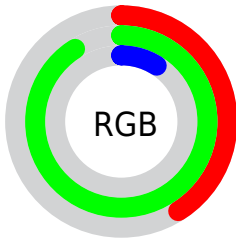
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 233, 151
Decimal	6875414
CIE <sub>Lab</sub>	82.53, -66.33, 77.46
CIE <sub>LCh</sub>	83, 101.982, 130.576
Yxy	61.2788, 0.3270, 0.5726
Android (android.graphics.Color)	4285065494 (0xFF68E916)
YUV	170.3750, -73.1489, -58.2109
Hunter-Lab	78.2808, -57.1993, 46.6600

# Details

The Hex color **68E916** 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 **9716E9**, and the grayscale version is **ABABAB**.

A 20% lighter version of the original color is **A7FF5F**, and **13B000** is the 20% darker color. If you saturate the color by 10%, you get **5BE900**, and if you desaturate by 10%, it is **76E92D**.

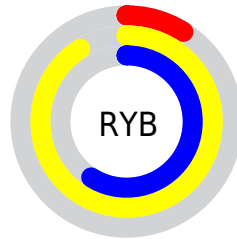
# Distribution



Red (41%)

Green (91%)

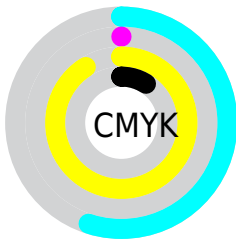
Blue (9%)



Red (9%)

Yellow (91%)

Blue (59%)

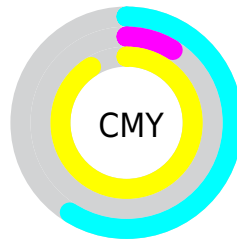


Cyan (55%)

Magenta (0%)

Yellow (91%)

Black (9%)



Cyan (59%)

Magenta (9%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68E916 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 68E916 by changing the saturation by 10% instead.



 68E916

 68E916

FFFFFF

 45CC00

 A7FF5F

 13B000

 C6FF7C

 009500

 E5FF99

 007A00


 FFFFB7

 006000

 FFFFD4

 004600

 FFFFF2

 002F00

 001000

 000000

 68E916

 68E916

 5BE900

 76E92D

 84E945

 93E95C

 A1E973

 AFE98B

 BDE9A2

 CCE9B9

 DAE9D0

 E8E9E8

# Harmonies

## Analogous

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



D8D400



68E916



00F489

# Triad

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



68E916



00E9FF



FF5AB0

# Complementary

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



68E916



9716E9

# 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.



FF6EFF



68E916



00CEFF

# Square

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



68E916



00F5FF



F9A2FF



FF8254

# Rectangle

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



68E916



00F7CD



F9A2FF



FF59D0

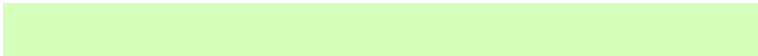


# Sweetspot

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



68E916



D5FFBA



E99516



678057



000000



808080



# Same Dimension

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



68E916



63FF00



16E92B



6E756A



46B500



153600



# Inverse Universe

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



9716E9



9C00FF



E916D4



716A75



6F00B5

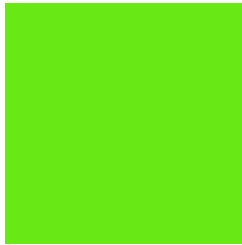


210036



# Previews

## White Background



This preview shows how the Hex color 68E916 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



This preview shows how the Hex color 68E916 looks on a 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 68E916 Background



This preview shows how black text looks on a background with the Hex color 68E916.



This preview shows how white text looks on a background with the Hex color 68E916.

# 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](#).

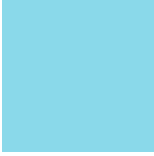
## Dichromacy



**Original Color**  
68E916

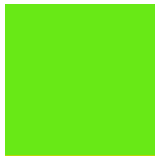
**Protanopia**  
E6CC00

**Deuteranopia**  
FFC23E



**Tritanopia**  
8AD9EA

# Trichromacy



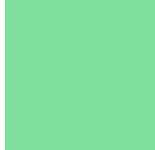
**Original Color**  
68E916



**Protanomaly**  
B8D708



**Deuteranomaly**  
C8D02F

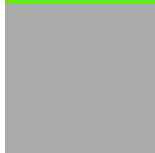


**Tritanomaly**  
7EDF9D

# Monochromacy



**Original Color**  
68E916



**Achromatopsia**  
AAAAAA



**Achromatomaly**  
92C174

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68E916 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 #68E916 looks like.

```
.text, #text, p{  
    color:#68E916  
}
```

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 #68E916 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68E916
}
```

## Border

The CSS property to change the border of an element to Hex 68E916 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
#68E916 }
```

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

```
.border{ border-color:#68E916 }
```

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

Here you see how a box with a 4 pixel #68E916 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68E916; -webkit-box-shadow:4px 4px  
4px 4px #68E916; box-shadow:4px 4px 4px  
4px #68E916 }
```

# Background

The CSS property to change the background color of an element to Hex 68E916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68E916 }
```

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

```
.background{ background-color:#68E916 }
```

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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