

Converting Colors

Hex(68EB2E)

Have a look what the booklet for
Hex(68EB2E) contains.

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Color

Hex(68EB2E)

Conversions

Conversions Part 1

Format	Color
Hex	68EB2E
RGB	104, 235, 46
RGB Percent	41%, 92%, 18%
CMY	0.5922, 0.0784, 0.8196
CMYK	0.56, 0.00, 0.80, 0.08
HSL	102°, 83%, 55%
HSV	102°, 80%, 92%
XYZ	35.9104, 62.5570, 12.7668
YIQ	174.2850, -17.4070, -86.5510

Conversions

Conversions Part 2

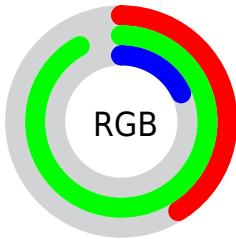
Format	Color
RYB	46, 235, 177
Decimal	6875950
CIELab	83.21, -66.16, 73.16
CIELCh	83, 98.639, 132.124
Yxy	62.5570, 0.3228, 0.5624
Android (android.graphics.Color)	4285066030 (0xFF68EB2E)
YUV	174.2850, -63.2445, -61.6399
Hunter-Lab	79.0930, -57.3688, 45.7948

Details

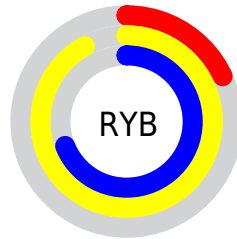
The Hex color **68EB2E** is a dark color, and the websafe version is hex **66FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **B12EEB**, and the grayscale version is **AFAFAF**.

A 20% lighter version of the original color is **A7FF6C**, and **14B200** is the 20% darker color. If you saturate the color by 10%, you get **58EB17**, and if you desaturate by 10%, it is **78EB46**.

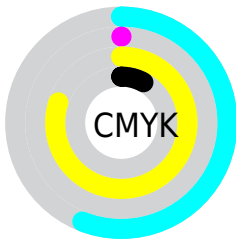
Distribution



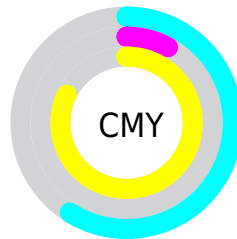
- Red (41%)
- Green (92%)
- Blue (18%)



- Red (18%)
- Yellow (92%)
- Blue (69%)



- Cyan (56%)
- Magenta (0%)
- Yellow (80%)
- Black (8%)



- Cyan (59%)
- Magenta (8%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Hex color 68EB2E 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 68EB2E by changing the saturation by 10% instead.

 68EB2E

 68EB2E


FFFFFF

 45CE00

 A7FF6C

 14B200

 C5FF89

 009600

 E4FFA6

 007B00

 FFFFC3

 006100

 FFFFEO

 004800

FFFFFFE

 003000

 001300

 000000

 68EB2E

 68EB2E

 58EB17

 78EB46

 48EB00

 89EB5D

 99EB75

 A9EB8C

 B9EBA4

 CAEBBB

 DAEBD3

 EAEBEA

 FBEBFF

Harmonies

Analogous

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



D6D700



68EB2E



00F592

Triad

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



68EB2E



00E9FF



FF66AE

Complementary

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



68EB2E



B12EEB

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.



FF74FF



68EB2E



00CEFF

Square

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



68EB2E



00F6FF



FFA3FF



FF8A55

Rectangle

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



68EB2E



00F8D3



FFA3FF



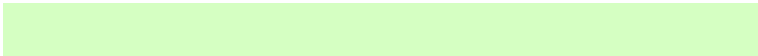
FF64CD

Sweetspot

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



68EB2E



D5FFC2



EBAF2E



66805B



000000



808080

Same Dimension

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



68EB2E



54FF08



2EEB51



6D756A



38B500



103600

Inverse Universe

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



B12EEB



B308FF



EB2EC8



726A75



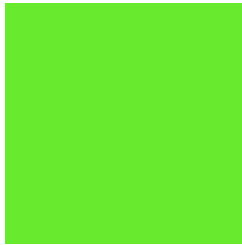
7D00B5



250036

Previews

White Background



This preview shows how the Hex color 68EB2E 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 68EB2E 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

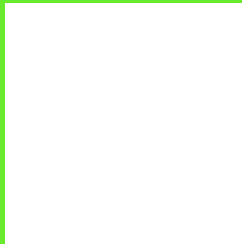
Any Text WCAG AAA ✓ Pass

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

Hex 68EB2E Background



This preview shows how black text looks on a background with the Hex color 68EB2E.

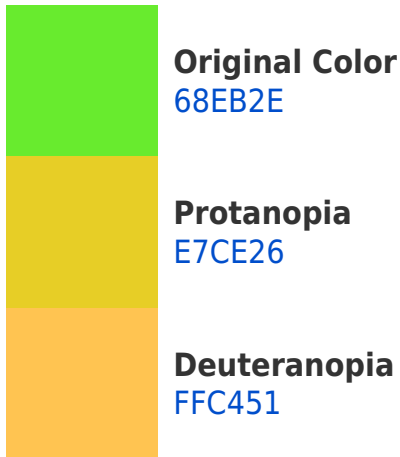


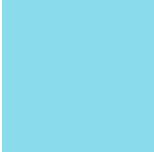
This preview shows how white text looks on a background with the Hex color 68EB2E.

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](#).

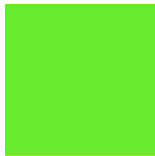
Dichromacy





Tritanopia
8ADBEC

Trichromacy



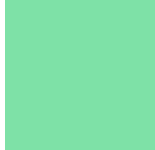
Original Color
68EB2E



Protanomaly
B9D929



Deuteranomaly
C8D244

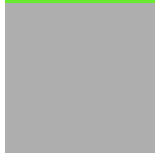


Tritanomaly
7EE1A7

Monochromacy



Original Color
68EB2E



Achromatopsia
AEAEAE



Achromatomaly
95C47F

CSS Examples

Text

The CSS property to change the color of the text to Hex 68EB2E 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 #68EB2E looks like.

```
.text, #text, p{  
    color:#68EB2E  
}
```

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 #68EB2E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68EB2E
}
```

Border

The CSS property to change the border of an element to Hex 68EB2E 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
#68EB2E }
```

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

```
.border{ border-color:#68EB2E }
```

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

Here you see how a box with a 4 pixel #68EB2E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68EB2E; -webkit-box-shadow:4px 4px  
4px 4px #68EB2E; box-shadow:4px 4px 4px  
4px #68EB2E }
```

Background

The CSS property to change the background color of an element to Hex 68EB2E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68EB2E }
```

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

```
.background{ background-color:#68EB2E }
```

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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