

# Converting Colors

Hex(68CE3B)

Have a look what the booklet for  
Hex(68CE3B) contains.

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**Color**

**Hex(68CE3B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68CE3B
RGB	104, 206, 59
RGB Percent	41%, 81%, 23%
CMY	0.5922, 0.1922, 0.7686
CMYK	0.50, 0.00, 0.71, 0.19
HSL	102°, 60%, 52%
HSV	102°, 71%, 81%
XYZ	28.5696, 47.4014, 11.7813
YIQ	158.7440, -13.6050, -67.3410

# Conversions

## Conversions Part 2

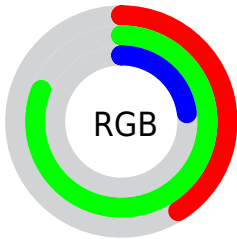
Format	Color
<a href="#">RYB</a>	<a href="#">59, 206, 161</a>
Decimal	<a href="#">6868539</a>
CIELab	<a href="#">74.45, -54.92, 60.64</a>
CIELCh	<a href="#">74, 81.811, 132.167</a>
Yxy	<a href="#">47.4014, 0.3256, 0.5402</a>
Android (android.graphics.Color)	<a href="#">4285058619 (0xFF68CE3B)</a>
YUV	<a href="#">158.7440, -49.1738, -48.0105</a>
Hunter-Lab	<a href="#">68.8487, -46.4144, 38.0485</a>

# Details

The Hex color **68CE3B** 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 **A13BCE**, and the grayscale version is **9F9F9F**.

A 20% lighter version of the original color is **A3FF73**, and **269700** is the 20% darker color. If you saturate the color by 10%, you get **5ACE26**, and if you desaturate by 10%, it is **76CE50**.

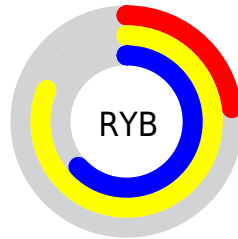
# Distribution



Red (41%)

Green (81%)

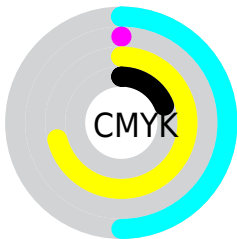
Blue (23%)



Red (23%)

Yellow (81%)

Blue (63%)

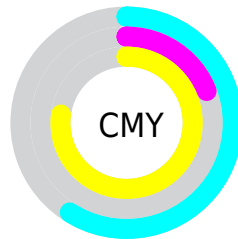


Cyan (50%)

Magenta (0%)

Yellow (71%)

Black (19%)



Cyan (59%)

Magenta (19%)

Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68CE3B 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 68CE3B by changing the saturation by 10% instead.



 68CE3B

 68CE3B

FFFFFF

 49B21B

 A3FF73

 269700

 C0FF8E

 007C00

 DEFFAA

 006200

 FCFFC7

 004900

 FFFFE4

 003200

 001800

 000000

 68CE3B

 68CE3B

 5ACE26

 76CE50

 4BCE12

 85CE64

 3FCE00

 93CE79

 A1CE8D

 AFCEA2

 BECEB7

 CCCECB

 DACEE0

 E9CEF4

# Harmonies

## Analogous

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



BEBD00



68CE3B



00D786

# Triad

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



68CE3B



00CCFF



FF699C

# Complementary

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



68CE3B



A13BCE

# 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.



FF72E7



68CE3B



3AB6FF

# Square

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



68CE3B



00D7FF



E194FF



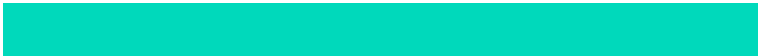
FF8255

# Rectangle

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



68CE3B



00D9BB



E194FF



FF67B5

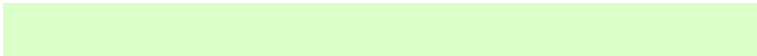


# Sweetspot

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



68CE3B



DAFFC9



CE9F3B



698060



000000



808080



# Same Dimension

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



68CE3B



67FF24



3BCE56



5F665C



33A600



0C2600



# Inverse Universe

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



A13BCE



BC24FF



CE3BB3



635C66



7300A6



1B0026



# Previews

## White Background



This preview shows how the Hex color 68CE3B looks on a white background.

## Color Contrast Check

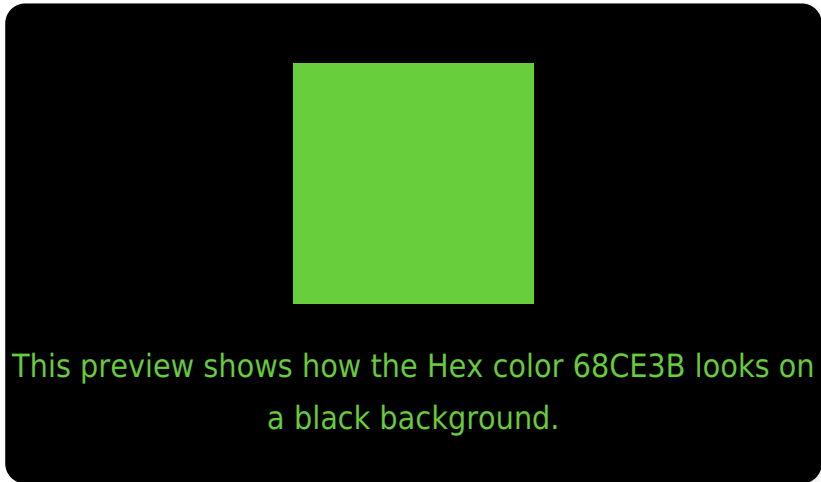
Large Text (above 18pt) WCAG AA × Fail

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 68CE3B Background



This preview shows how black text looks on a background with the Hex color 68CE3B.

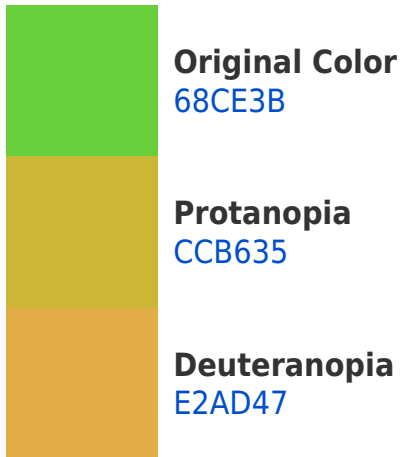


This preview shows how white text looks on a background with the Hex color 68CE3B.

# 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**  
82C0D0

# Trichromacy



**Original Color**  
68CE3B



**Protanomaly**  
A8BF37



**Deuteranomaly**  
B6B943



**Tritanomaly**  
79C59A

# Monochromacy



**Original Color**  
68CE3B



**Achromatopsia**  
9F9F9F



**Achromatomaly**  
8BB07B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68CE3B 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 #68CE3B looks like.

```
.text, #text, p{  
    color:#68CE3B  
}
```

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 #68CE3B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68CE3B
}
```

## Border

The CSS property to change the border of an element to Hex 68CE3B 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
#68CE3B }
```

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

```
.border{ border-color:#68CE3B }
```

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

Here you see how a box with a 4 pixel #68CE3B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68CE3B; -webkit-box-shadow:4px 4px  
4px 4px #68CE3B; box-shadow:4px 4px 4px  
4px #68CE3B }
```

# Background

The CSS property to change the background color of an element to Hex 68CE3B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68CE3B }
```

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

```
.background{ background-color:#68CE3B }
```

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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