

# Converting Colors

Hex(68CB34)

Have a look what the booklet for  
Hex(68CB34) contains.

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**Color**

**Hex(68CB34)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68CB34
RGB	104, 203, 52
RGB Percent	41%, 80%, 20%
CMY	0.5922, 0.2039, 0.7961
CMYK	0.49, 0.00, 0.74, 0.20
HSL	99°, 59%, 50%
HSV	99°, 74%, 80%
XYZ	27.6847, 45.9029, 10.6498
YIQ	156.1850, -10.5330, -67.9490

# Conversions

## Conversions Part 2

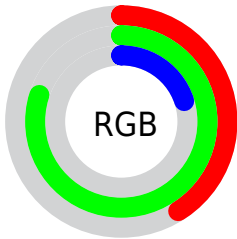
<b>Format</b>	<b>Color</b>
<b>RYB</b>	52, 203, 151
Decimal	6867764
CIELab	73.48, -54.26, 62.13
CIELCh	73, 82.490, 131.132
Yxy	45.9029, 0.3287, 0.5449
Android (android.graphics.Color)	4285057844 (0xFF68CB34)
YUV	156.1850, -51.3632, -45.7662
Hunter-Lab	67.7517, -45.6267, 38.1064

# Details

The Hex color **68CB34** 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 **9734CB**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **A3FF6D**, and **279400** is the 20% darker color. If you saturate the color by 10%, you get **5BCB20**, and if you desaturate by 10%, it is **75CB48**.

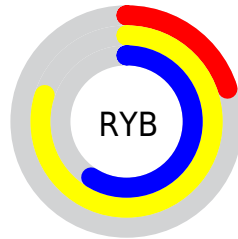
# Distribution



Red (41%)

Green (80%)

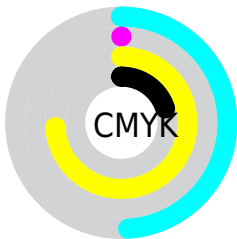
Blue (20%)



Red (20%)

Yellow (80%)

Blue (59%)

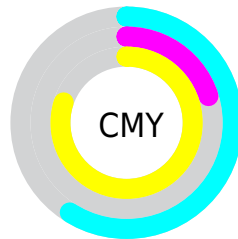


Cyan (49%)

Magenta (0%)

Yellow (74%)

Black (20%)



Cyan (59%)

Magenta (20%)

Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68CB34 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 68CB34 by changing the saturation by 10% instead.





68CB34



68CB34

FFFFFF



4AAF10



A3FF6D



279400



C0FF88



007900



DEFFA4



006000



FCFFC1



004700



FFFFDE



003000



FFFFFB



001400



000000



68CB34



68CB34

 5BCB20

 75CB48

 4DCB0B

 83CB5D

 46CB00

 90CB71

 9DCB85

 ABCB9A

 B8CBAE

 C5CBC2

 D2CBD6

 E0CBEB

# Harmonies

## Analogous

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



BEBA00



68CB34



00D480

# Triad

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



68CB34



00CAFF



FF649C

# Complementary

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



68CB34



9734CB

# 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.



FF6FE7



68CB34



15B4FF

# Square

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



68CB34



00D5FF



DB93FF



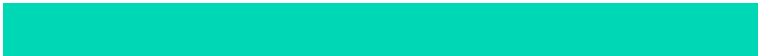
FF7D54

# Rectangle

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



68CB34



00D7B5



DB93FF



FF63B5

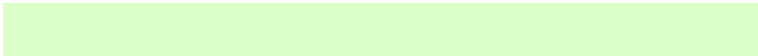


# Sweetspot

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



68CB34



DAFFC7



CB9634



6A805E



000000



808080



# Same Dimension

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



68CB34



6AFF1C



34CB4B



5F665C



39A600



0D2600



# Inverse Universe

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



9734CB



B11CFF



CB34B4



625C66



6D00A6

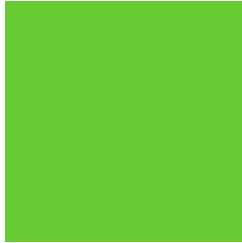


190026



# Previews

## White Background



This preview shows how the Hex color 68CB34 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 68CB34 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 68CB34 Background



This preview shows how black text looks on a background with the Hex color 68CB34.

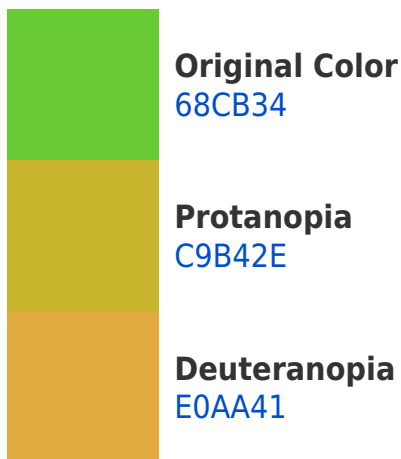


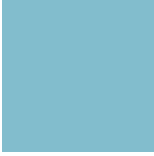
This preview shows how white text looks on a background with the Hex color 68CB34.

# 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**  
82BDCD

# Trichromacy



**Original Color**  
68CB34



**Protanomaly**  
A6BC30



**Deuteranomaly**  
B4B63C



**Tritanomaly**  
79C295

# Monochromacy



**Original Color**  
68CB34



**Achromatopsia**  
9C9C9C



**Achromatomaly**  
89AD76

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68CB34 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 #68CB34 looks like.

```
.text, #text, p{  
    color:#68CB34  
}
```

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 #68CB34 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68CB34
}
```

## Border

The CSS property to change the border of an element to Hex 68CB34 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
#68CB34 }
```

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

```
.border{ border-color:#68CB34 }
```

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

Here you see how a box with a 4 pixel #68CB34 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68CB34; -webkit-box-shadow:4px 4px  
4px 4px #68CB34; box-shadow:4px 4px 4px  
4px #68CB34 }
```

# Background

The CSS property to change the background color of an element to Hex 68CB34 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68CB34 }
```

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

```
.background{ background-color:#68CB34 }
```

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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