

# Converting Colors

Hex(66B13B)

Have a look what the booklet for  
Hex(66B13B) contains.

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**Color**

**Hex(66B13B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	66B13B
RGB	102, 177, 59
RGB Percent	40%, 69%, 23%
CMY	0.6000, 0.3059, 0.7686
CMYK	0.42, 0.00, 0.67, 0.31
HSL	98°, 50%, 46%
HSV	98°, 67%, 69%
XYZ	21.9910, 34.5848, 9.6542
YIQ	141.1230, -6.8220, -52.5980

# Conversions

## Conversions Part 2

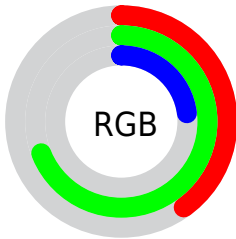
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 177, 134
Decimal	6730043
CIELab	65.42, -44.01, 51.20
CIELCh	65, 67.520, 130.681
Yxy	34.5848, 0.3320, 0.5222
Android (android.graphics.Color)	4284920123 (0xFF66B13B)
YUV	141.1230, -40.4866, -34.3109
Hunter-Lab	58.8089, -36.1670, 31.4331

# Details

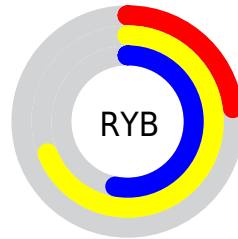
The Hex color **66B13B** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **863BB1**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **9EE970**, and **2D7C00** is the 20% darker color. If you saturate the color by 10%, you get **5BB129**, and if you desaturate by 10%, it is **71B14D**.

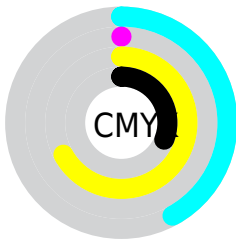
# Distribution



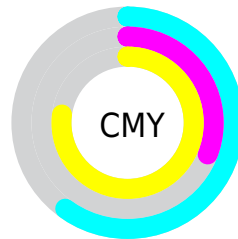
- Red (40%)
- Green (69%)
- Blue (23%)



- Red (23%)
- Yellow (69%)
- Blue (53%)



- Cyan (42%)
- Magenta (0%)
- Yellow (67%)
- Black (31%)



- Cyan (60%)
- Magenta (31%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66B13B 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 66B13B by changing the saturation by 10% instead.





66B13B



66B13B

FFFFFF



4A961F



9EE970



2D7C00



BAFF8B



036200



D7FFA6



004900



F5FFC2



003200



FFFFDF



001B00



FFFFFC



000000



66B13B



66B13B



5BB129



71B14D

 50B118

 7DB15E

 44B106

 88B170

 40B100

 93B182

 9EB194

 AAB1A5

 B5B1B7

 C0B1C9

 CBB1DA

# Harmonies

## Analogous

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



A9A30E



66B13B



00B974

# Triad

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



66B13B



00B0FF



FF638C

# Complementary

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



66B13B



863BB1

# 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.



F76BC8



66B13B



409FFF

# Square

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



66B13B



00B9ED



BD85FB



FF7453

# Rectangle

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



66B13B



00BB9E



BD85FB



FF63A0



# Sweetspot

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



66B13B



C8E6B8



B1863B



617357



F2F2F2



737373



# Same Dimension

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



66B13B



71E62E



3BB14B



545950



389900



091A00



# Inverse Universe

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



863BB1



A32EE6



B13BA1



565059



610099



10001A



# Previews

## White Background



This preview shows how the Hex color 66B13B looks on a white background.

## Color Contrast Check

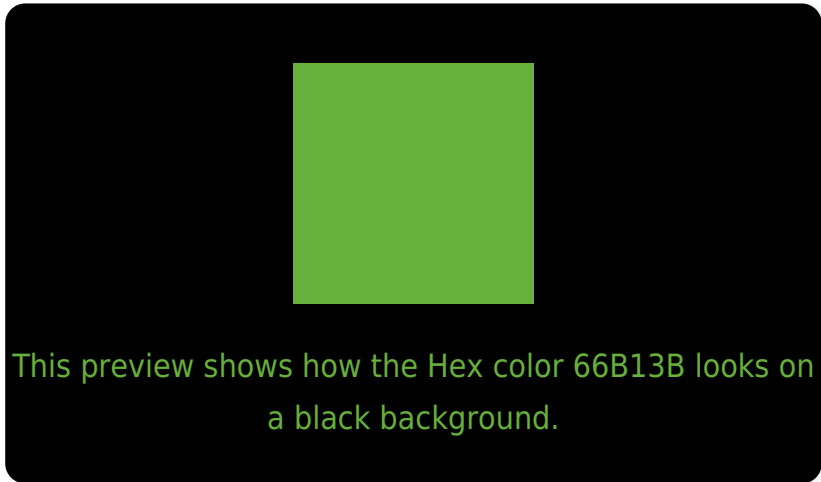
Large Text (above 18pt) WCAG AA × Fail

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 66B13B Background



This preview shows how black text looks on a background with the Hex color 66B13B.



This preview shows how white text looks on a background with the Hex color 66B13B.

# 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](#).

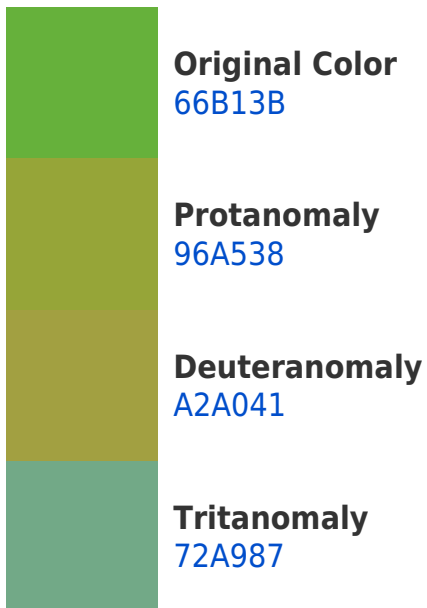
## Dichromacy



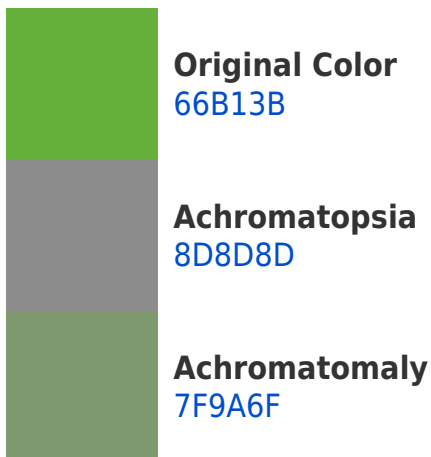


**Tritanopia**  
79A5B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66B13B 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 #66B13B looks like.

```
.text, #text, p{  
    color:#66B13B  
}
```

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 #66B13B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66B13B
}
```

## Border

The CSS property to change the border of an element to Hex 66B13B 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
#66B13B }
```

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

```
.border{ border-color:#66B13B }
```

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

Here you see how a box with a 4 pixel #66B13B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66B13B; -webkit-box-shadow:4px 4px  
4px 4px #66B13B; box-shadow:4px 4px 4px  
4px #66B13B }
```

# Background

The CSS property to change the background color of an element to Hex 66B13B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66B13B }
```

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

```
.background{ background-color:#66B13B }
```

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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