

# Converting Colors

Hex(66EC5B)

Have a look what the booklet for  
Hex(66EC5B) contains.

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# **Color**

**Hex(66EC5B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66EC5B
RGB	102, 236, 91
RGB Percent	40%, 93%, 36%
CMY	0.6000, 0.0745, 0.6431
CMYK	0.57, 0.00, 0.61, 0.07
HSL	115°, 79%, 64%
HSV	115°, 61%, 93%
XYZ	37.3633, 63.5710, 20.1987
YIQ	179.4040, -33.3190, -73.5030

# Conversions

## Conversions Part 2

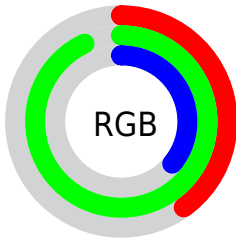
Format	Color
<a href="#">RYB</a>	<a href="#">91, 236, 225</a>
Decimal	<a href="#">6745179</a>
CIELab	<a href="#">83.74, -63.65, 57.90</a>
CIELCh	<a href="#">84, 86.047, 137.706</a>
Yxy	<a href="#">63.5710, 0.3084, 0.5248</a>
Android (android.graphics.Color)	<a href="#">4284935259 (0xFF66EC5B)</a>
YUV	<a href="#">179.4040, -43.5832, -67.8833</a>
Hunter-Lab	<a href="#">79.7314, -55.8824, 40.7918</a>

# Details

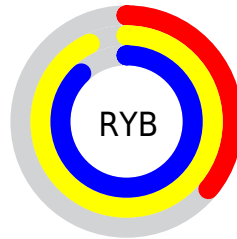
The Hex color **66EC5B** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **E15BEC**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **A4FF92**, and **15B321** is the 20% darker color. If you saturate the color by 10%, you get **50EC43**, and if you desaturate by 10%, it is **7CEC73**.

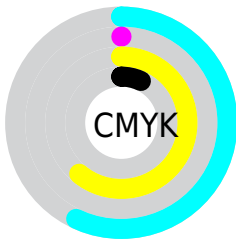
# Distribution



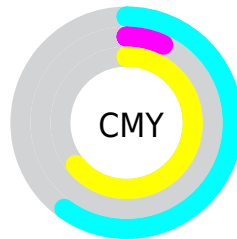
- Red (40%)
- Green (93%)
- Blue (36%)



- Red (36%)
- Yellow (93%)
- Blue (88%)



- Cyan (57%)
- Magenta (0%)
- Yellow (61%)
- Black (7%)



- Cyan (60%)
- Magenta (7%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66EC5B 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 66EC5B by changing the saturation by 10% instead.



 66EC5B

 66EC5B

FFFFFF

 44CF3F

 A4FF92

 15B321

 C2FFAE

 009700

 E0FFCA

 007C00

 FFFFE7

 006200

 004900

 003200

 001600

 000000

 66EC5B

 66EC5B

 50EC43

 7CEC73

 3AEC2C

 92EC8A

 25EC14

 A7ECA2

 12EC00

 BDECB9

 D3ECD1

 E9ECE9

 FFECFF

# Harmonies

## Analogous

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



CBDB0A



66EC5B



00F4AB

# Triad

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



66EC5B



00E4FF



FF82A4

# Complementary

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



66EC5B



E15BEC

# 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.



FF84F6



66EC5B



89C9FF

# Square

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



66EC5B



00F2FF



FFA5FF



FF9F5A

# Rectangle

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



66EC5B



00F6E4



FFA5FF



FF7EBF

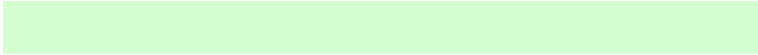


# Sweetspot

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



66EC5B



D5FFD1



ECE05B



668063



000000



808080



# Same Dimension

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



66EC5B



51FF42



5BEC97



6A756A



0EB500



043600



# Inverse Universe

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



E15BEC



F142FF



EC5BB0



746A75



A700B5

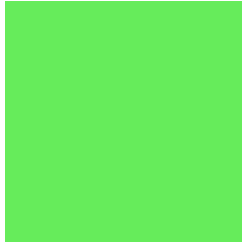


310036



# Previews

## White Background



This preview shows how the Hex color 66EC5B looks on a white background.

## Color Contrast Check

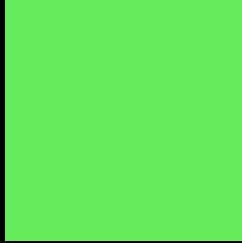
Large Text (above 18pt) WCAG AA × Fail

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 66EC5B 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 66EC5B Background



This preview shows how black text looks on a background with the Hex color 66EC5B.

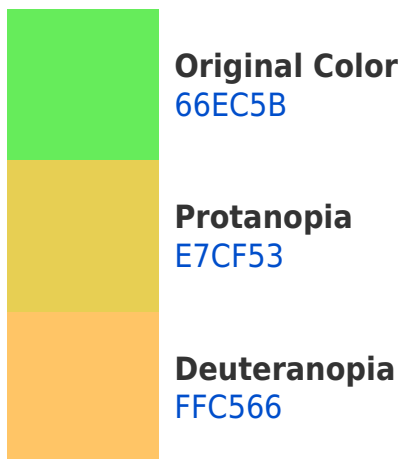


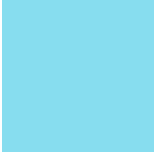
This preview shows how white text looks on a background with the Hex color 66EC5B.

# 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**  
87DDEF

# Trichromacy



**Original Color**  
66EC5B



**Protanomaly**  
B8DA56



**Deuteranomaly**  
C7D362

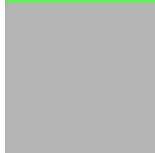


**Tritanomaly**  
7BE2B9

# Monochromacy



**Original Color**  
66EC5B



**Achromatopsia**  
B3B3B3



**Achromatomaly**  
97C893

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66EC5B 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 #66EC5B looks like.

```
.text, #text, p{  
    color:#66EC5B  
}
```

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 #66EC5B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66EC5B
}
```

## Border

The CSS property to change the border of an element to Hex 66EC5B 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
#66EC5B }
```

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

```
.border{ border-color:#66EC5B }
```

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

Here you see how a box with a 4 pixel #66EC5B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66EC5B; -webkit-box-shadow:4px 4px  
4px 4px #66EC5B; box-shadow:4px 4px 4px  
4px #66EC5B }
```

# Background

The CSS property to change the background color of an element to Hex 66EC5B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66EC5B }
```

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

```
.background{ background-color:#66EC5B }
```

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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