

# Converting Colors

Hex(66EA57)

Have a look what the booklet for  
Hex(66EA57) contains.

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**Color**

**Hex(66EA57)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66EA57
RGB	102, 234, 87
RGB Percent	40%, 92%, 34%
CMY	0.6000, 0.0824, 0.6588
CMYK	0.56, 0.00, 0.63, 0.08
HSL	114°, 78%, 63%
HSV	114°, 63%, 92%
XYZ	36.6226, 62.3585, 19.1230
YIQ	177.7740, -31.4850, -73.7010

# Conversions

## Conversions Part 2

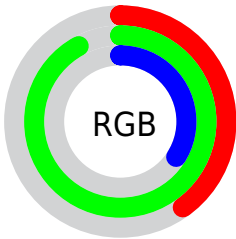
<b>Format</b>	<b>Color</b>
<b>RYB</b>	87, 234, 219
Decimal	6744663
CIELab	83.10, -63.33, 58.87
CIELCh	83, 86.466, 137.094
Yxy	62.3585, 0.3101, 0.5280
Android (android.graphics.Color)	4284934743 (0xFF66EA57)
YUV	177.7740, -44.7516, -66.4538
Hunter-Lab	78.9674, -55.4103, 40.9193

# Details

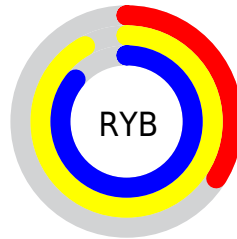
The Hex color **66EA57** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **DB57EA**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **A4FF8E**, and **16B11C** is the 20% darker color. If you saturate the color by 10%, you get **51EA40**, and if you desaturate by 10%, it is **7BEA6E**.

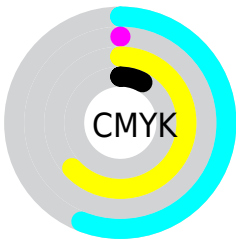
# Distribution



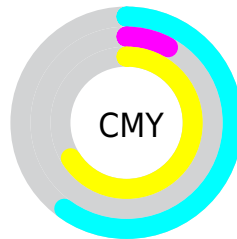
- Red (40%)
- Green (92%)
- Blue (34%)



- Red (34%)
- Yellow (92%)
- Blue (86%)



- Cyan (56%)
- Magenta (0%)
- Yellow (63%)
- Black (8%)



- Cyan (60%)
- Magenta (8%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66EA57 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 66EA57 by changing the saturation by 10% instead.



 66EA57

 66EA57

FFFFFF

 44CD3B

 A4FF8E

 16B11C

 C2FFAA

 009600

 E0FFC6

 007B00

 FFFFE3

 006000

 004700

 003000

 001300

 000000

 66EA57

 66EA57

 51EA40

 7BEA6E

 3CEA28

 90EA86

 27EA11

 A5EA9D

 18EA00

 BAEAB5

 CFEACC

 E4EAE3

 F9EAFB

 FFEAFF

# Harmonies

## Analogous

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



CAD900



66EA57



00F3A8

# Triad

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



66EA57



00E2FF



FF7FA4

# Complementary

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



66EA57



DB57EA

# 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.



FF82F6



66EA57



81C8FF

# Square

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



66EA57



00F0FF



FFA4FF



FF9C59

# Rectangle

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



66EA57



00F5E1



FFA4FF



FF7BBF

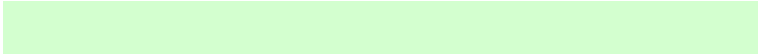


# Sweetspot

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



66EA57



D3FFCF



EAD957



658062



000000



808080



# Same Dimension

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



66EA57



53FF40



57EA8F



6B756A



12B500



053600



# Inverse Universe

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



DB57EA



EB40FF



EA57B2



746A75



A300B5

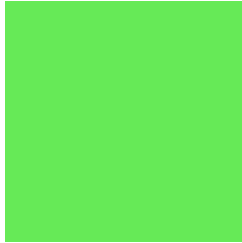


300036



# Previews

## White Background



This preview shows how the Hex color 66EA57 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 66EA57 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

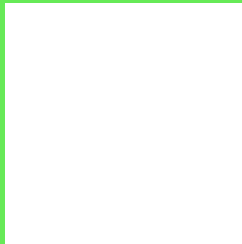
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 66EA57 Background



This preview shows how black text looks on a background with the Hex color 66EA57.

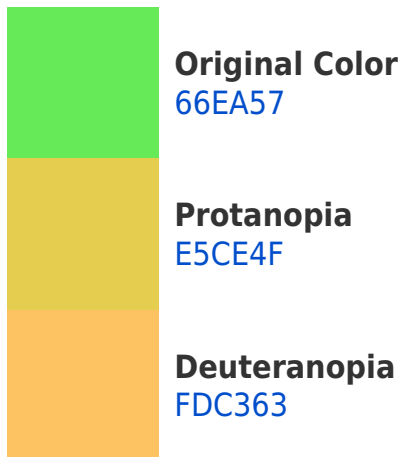


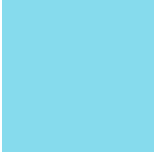
This preview shows how white text looks on a background with the Hex color 66EA57.

# 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](#).

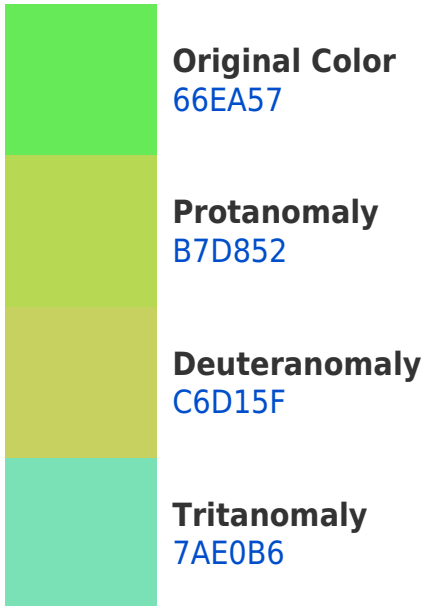
## Dichromacy



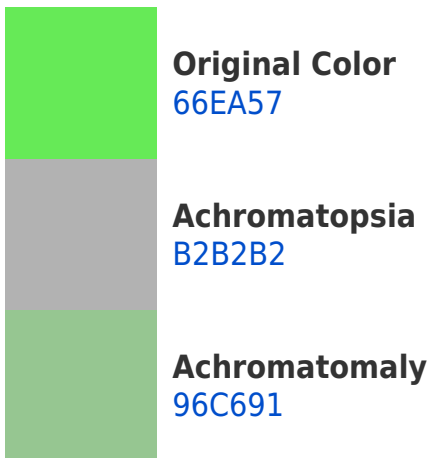


**Tritanopia**  
86DBED

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66EA57 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 #66EA57 looks like.

```
.text, #text, p{  
    color:#66EA57  
}
```

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 #66EA57 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66EA57
}
```

## Border

The CSS property to change the border of an element to Hex 66EA57 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
#66EA57 }
```

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

```
.border{ border-color:#66EA57 }
```

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

Here you see how a box with a 4 pixel #66EA57 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66EA57; -webkit-box-shadow:4px 4px  
4px 4px #66EA57; box-shadow:4px 4px 4px  
4px #66EA57 }
```

# Background

The CSS property to change the background color of an element to Hex 66EA57 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66EA57 }
```

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

```
.background{ background-color:#66EA57 }
```

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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