

# Converting Colors

Hex(66CF51)

Have a look what the booklet for  
Hex(66CF51) contains.

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**Color**

**Hex(66CF51)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66CF51
RGB	102, 207, 81
RGB Percent	40%, 81%, 32%
CMY	0.6000, 0.1882, 0.6824
CMYK	0.51, 0.00, 0.61, 0.19
HSL	110°, 57%, 56%
HSV	110°, 61%, 81%
XYZ	29.2775, 48.0445, 15.5150
YIQ	161.2410, -22.1340, -61.4460

# Conversions

## Conversions Part 2

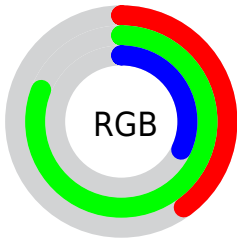
<b>Format</b>	<b>Color</b>
<b>RYB</b>	81, 207, 186
Decimal	6737745
CIELab	74.85, -53.93, 52.18
CIELCh	75, 75.042, 135.945
Yxy	48.0445, 0.3154, 0.5175
Android (android.graphics.Color)	4284927825 (0xFF66CF51)
YUV	161.2410, -39.5588, -51.9544
Hunter-Lab	69.3141, -45.9034, 35.2487

# Details

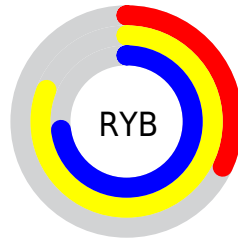
The Hex color **66CF51** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **BA51CF**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **A0FF86**, and **259819** is the 20% darker color. If you saturate the color by 10%, you get **55CF3C**, and if you desaturate by 10%, it is **77CF66**.

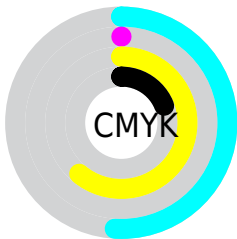
# Distribution



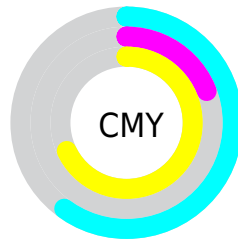
- Red (40%)
- Green (81%)
- Blue (32%)



- Red (32%)
- Yellow (81%)
- Blue (73%)



- Cyan (51%)
- Magenta (0%)
- Yellow (61%)
- Black (19%)



- Cyan (60%)
- Magenta (19%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66CF51 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 66CF51 by changing the saturation by 10% instead.





66CF51



66CF51

FFFFFF



48B336



A0FF86



259819



BEFFA2



007D00



DBFFBE



006300



F9FFDA



004A00



FFFFFF7



003300



001A00



000000



66CF51



66CF51

 55CF3C

 77CF66

 43CF28

 88CF7A

 32CF13

 9ACF8F

 22CF00

 ABCFA4

 BCCFB9

 CECFCD

 DFCFE2

 F0CFF7

 FFCFFF

# Harmonies

## Analogous

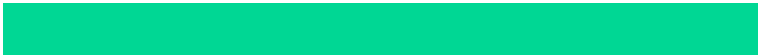
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



B8C01A



66CF51



00D794

# Triad

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



66CF51



00C9FF



FF7696

# Complementary

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



66CF51



BA51CF

# 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.



FF7ADC



66CF51



74B3FF

# Square

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



66CF51



00D5FF



EA95FF



FF8C57

# Rectangle

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



66CF51



00D9C4



EA95FF



FF74AD

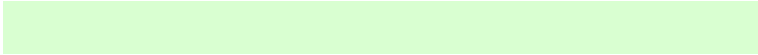


# Sweetspot

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



66CF51



D9FFD1



CFBA51



688063



000000



808080



# Same Dimension

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



66CF51



64FF45



51CF7B



60695E



1CA800



072900



# Inverse Universe

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



BA51CF



E045FF



CF51A5



675E69



8C00A8



220029



# Previews

## White Background



This preview shows how the Hex color 66CF51 looks on a white background.

## Color Contrast Check

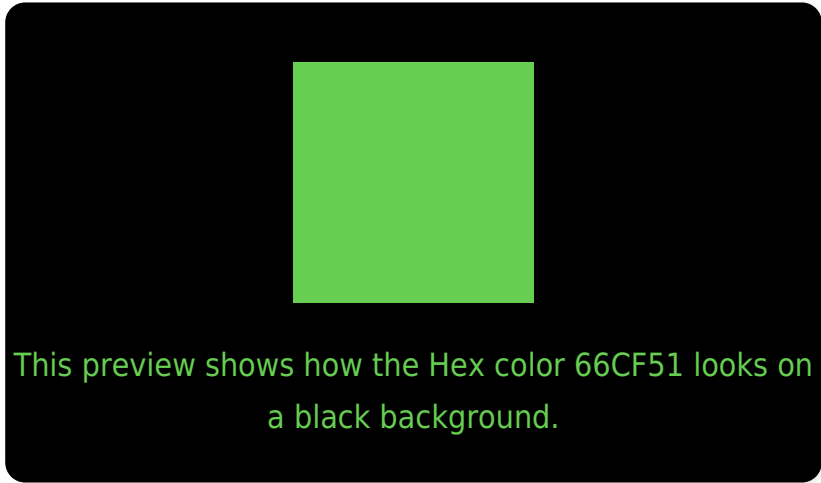
Large Text (above 18pt) WCAG AA × Fail

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

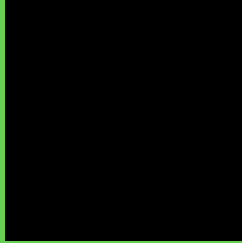
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 66CF51 Background



This preview shows how black text looks on a background with the Hex color 66CF51.

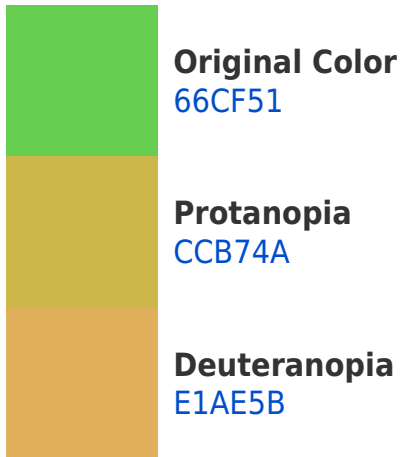


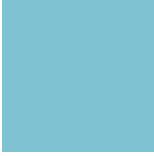
This preview shows how white text looks on a background with the Hex color 66CF51.

# 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](#).

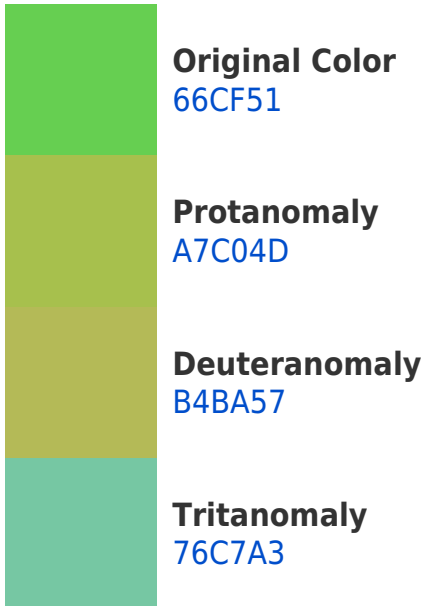
## Dichromacy



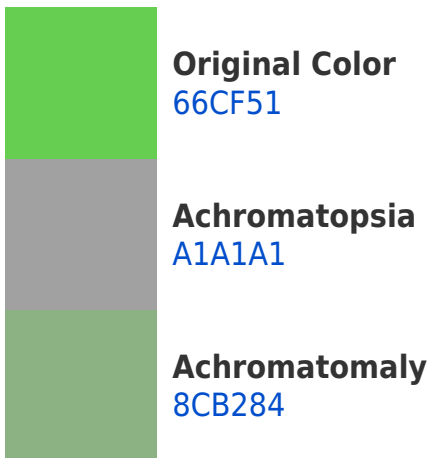


**Tritanopia**  
7FC2D2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66CF51 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 #66CF51 looks like.

```
.text, #text, p{  
    color:#66CF51  
}
```

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 #66CF51 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66CF51
}
```

## Border

The CSS property to change the border of an element to Hex 66CF51 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
#66CF51 }
```

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

```
.border{ border-color:#66CF51 }
```

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

Here you see how a box with a 4 pixel #66CF51 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66CF51; -webkit-box-shadow:4px 4px  
4px 4px #66CF51; box-shadow:4px 4px 4px  
4px #66CF51 }
```

# Background

The CSS property to change the background color of an element to Hex 66CF51 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66CF51 }
```

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

```
.background{ background-color:#66CF51 }
```

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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