

# Converting Colors

Hex(64BF50)

Have a look what the booklet for  
Hex(64BF50) contains.

<b>Hex(64BF50)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(64BF50)

# Conversions

## Conversions Part 1

Format	Color
Hex	64BF50
RGB	100, 191, 80
RGB Percent	39%, 75%, 31%
CMY	0.6078, 0.2510, 0.6863
CMYK	0.48, 0.00, 0.58, 0.25
HSL	109°, 46%, 53%
HSV	109°, 58%, 75%
XYZ	25.3343, 40.5501, 14.0811
YIQ	151.1370, -18.6050, -53.8130

# Conversions

## Conversions Part 2

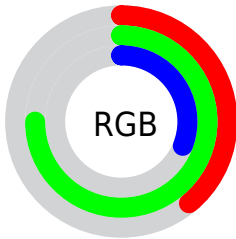
Format	Color
<a href="#">RYB</a>	<a href="#">80, 191, 171</a>
Decimal	<a href="#">6602576</a>
CIELab	<a href="#">69.86, -48.30, 46.89</a>
CIELCh	<a href="#">70, 67.322, 135.848</a>
Yxy	<a href="#">40.5501, 0.3168, 0.5071</a>
Android (android.graphics.Color)	<a href="#">4284792656 (0xFF64BF50)</a>
YUV	<a href="#">151.1370, -35.0705, -44.8471</a>
Hunter-Lab	<a href="#">63.6790, -40.4230, 31.4647</a>

# Details

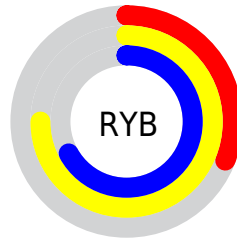
The Hex color **64BF50** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **AB50BF**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **9DF884**, and **27891B** is the 20% darker color. If you saturate the color by 10%, you get **54BF3D**, and if you desaturate by 10%, it is **74BF63**.

# Distribution



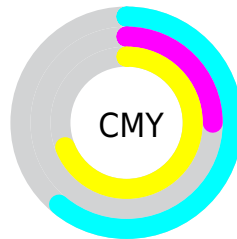
- Red (39%)
- Green (75%)
- Blue (31%)



- Red (31%)
- Yellow (75%)
- Blue (67%)



- Cyan (48%)
- Magenta (0%)
- Yellow (58%)
- Black (25%)



- Cyan (61%)
- Magenta (25%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64BF50 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 64BF50 by changing the saturation by 10% instead.



 64BF50

 64BF50


FFFFFF

 47A336

 9DF884

 27891B

 B9FFA0

 006F00

 D7FFBB

 005500

 F4FFD8

 003D00

 FFFFF5

 002800

 000000

 64BF50

 64BF50

 54BF3D

 74BF63

 45BF2A

 83BF76

 35BF17

 93BF89

 25BF04

 A3BF9C

 22BF00

 B2BFB0

 C2BFC3

 D2BFD6

 E1BFE9

 F1BFFC

# Harmonies

## Analogous

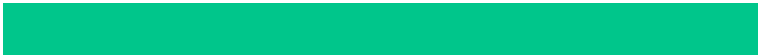
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



ABB225



64BF50



00C68B

# Triad

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



64BF50



00BAFF



FF728D

# Complementary

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



64BF50



AB50BF

# 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.



FF75CA



64BF50



72A6FF

# Square

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



64BF50



00C4FF



D78CFF



FF8455

# Rectangle

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



64BF50



00C8B5



D78CFF



FF70A1

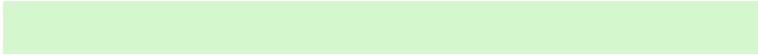


# Sweetspot

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



64BF50



D5F7CD



BFAB50



687D64



FCFCFC



7D7D7D



# Same Dimension

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



64BF50



69F74A



50BF73



575E55



1C9E00



061F00



# Inverse Universe

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



AB50BF



D84AF7



BF509C



5D555E



82009E



19001F



# Previews

## White Background



This preview shows how the Hex color 64BF50 looks on a white background.

## Color Contrast Check

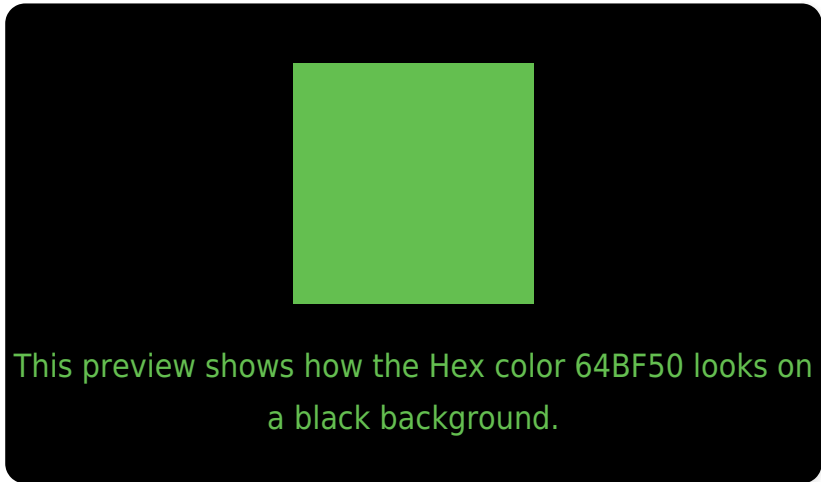
Large Text (above 18pt) WCAG AA × Fail

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 64BF50 Background



This preview shows how black text looks on a background with the Hex color 64BF50.



This preview shows how white text looks on a background with the Hex color 64BF50.

# 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



**Original Color**  
64BF50

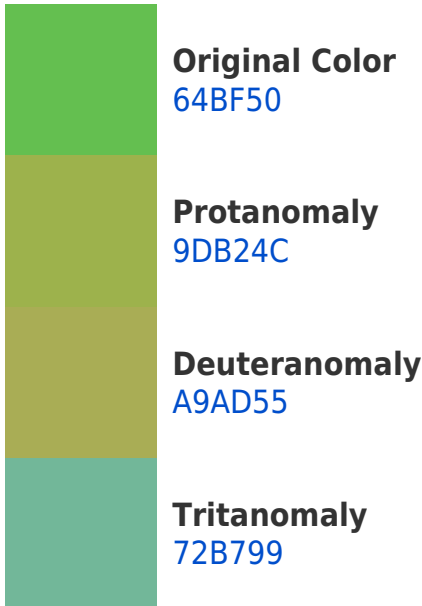
**Protanopia**  
BDAA4A

**Deuteranopia**  
D0A258

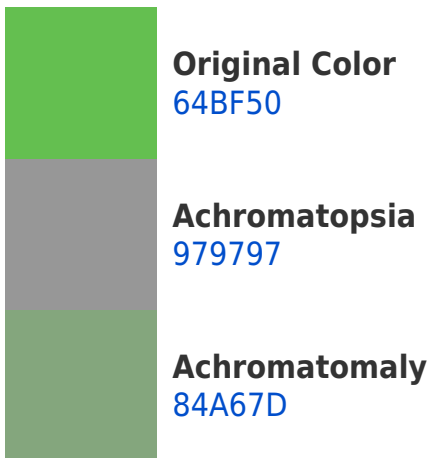


**Tritanopia**  
7AB3C2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64BF50 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 #64BF50 looks like.

```
.text, #text, p{  
    color:#64BF50  
}
```

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 #64BF50 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64BF50
}
```

## Border

The CSS property to change the border of an element to Hex 64BF50 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
#64BF50 }
```

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

```
.border{ border-color:#64BF50 }
```

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

Here you see how a box with a 4 pixel #64BF50 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64BF50; -webkit-box-shadow:4px 4px  
4px 4px #64BF50; box-shadow:4px 4px 4px  
4px #64BF50 }
```

# Background

The CSS property to change the background color of an element to Hex 64BF50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64BF50 }
```

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

```
.background{ background-color:#64BF50 }
```

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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