

# Converting Colors

Hex(65B050)

Have a look what the booklet for  
Hex(65B050) contains.

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**Color**

**Hex(65B050)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65B050
RGB	101, 176, 80
RGB Percent	40%, 69%, 31%
CMY	0.6039, 0.3098, 0.6863
CMYK	0.43, 0.00, 0.55, 0.31
HSL	107°, 38%, 50%
HSV	107°, 55%, 69%
XYZ	22.3401, 34.3966, 13.0512
YIQ	142.6310, -13.8840, -45.7560

# Conversions

## Conversions Part 2

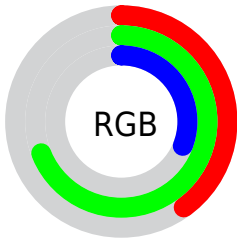
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">80, 176, 155</a>
Decimal	<a href="#">6664272</a>
CIELab	<a href="#">65.28, -41.76, 41.52</a>
CIELCh	<a href="#">65, 58.887, 135.164</a>
Yxy	<a href="#">34.3966, 0.3201, 0.4929</a>
Android (android.graphics.Color)	<a href="#">4284854352</a> ( <a href="#">0xFF65B050</a> )
YUV	<a href="#">142.6310, -30.8771, -36.5104</a>
Hunter-Lab	<a href="#">58.6486, -34.6417, 27.8601</a>

# Details

The Hex color **65B050** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9B50B0**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **9CE884**, and **2D7B1D** is the 20% darker color. If you saturate the color by 10%, you get **57B03E**, and if you desaturate by 10%, it is **73B062**.

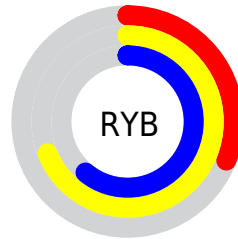
# Distribution



Red (40%)

Green (69%)

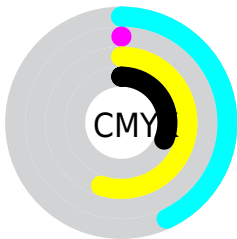
Blue (31%)



Red (31%)

Yellow (69%)

Blue (61%)

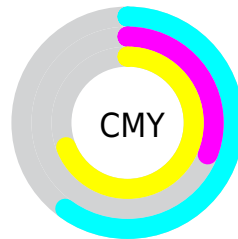


Cyan (43%)

Magenta (0%)

Yellow (55%)

Black (31%)



Cyan (60%)

Magenta (31%)

Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 65B050 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 65B050 by changing the saturation by 10% instead.



 65B050

 65B050

FFFFFF

 4A9537

 9CE884

 2D7B1D

 B8FF9E

 076100

 D5FFBA

 004900

 F2FFD6

 003100

 FFFFF3

 001B00

 000000

 65B050

 65B050

 57B03E

 73B062

 4AB02D

 81B073

 3CB01B

 8EB085

 2EB00A

 9CB096

 27B000

 AAB0A8

 B8B0BA

 C5B0CB

 D3B0DD

 E1B0EE

# Harmonies

## Analogous

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



A1A42F



65B050



00B682

# Triad

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



65B050



00ACFF



FF6F86

# Complementary

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



65B050



9B50B0

# 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.



F172BB



65B050



6F9BFF

# Square

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



65B050



00B5E8



C485E9



F27E56

# Rectangle

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



65B050



00B8A6



C485E9



FE6E97



# Sweetspot

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



65B050



C9E6C1



B09A50



62735D



F2F2F2



737373



# Same Dimension

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



65B050



71E650



50B06A



525950



219900



061A00



# Inverse Universe

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



9B50B0



C550E6



B05096



575059



780099



14001A



# Previews

## White Background



This preview shows how the Hex color 65B050 looks on a white background.

## Color Contrast Check

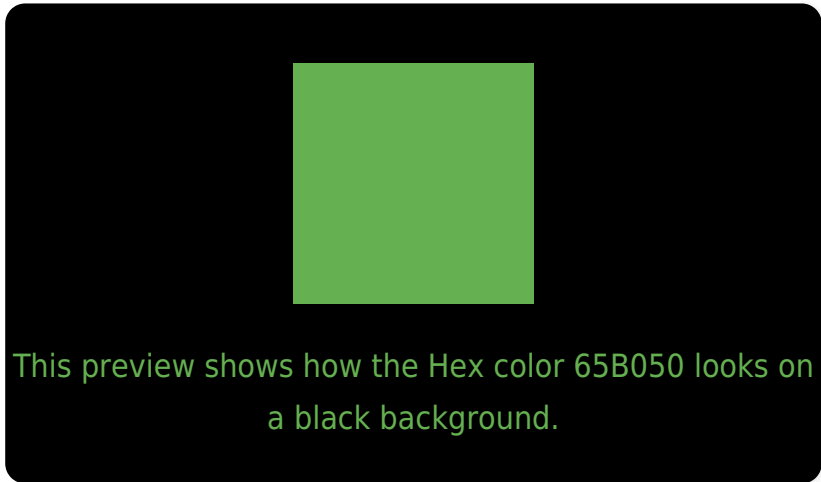
Large Text (above 18pt) WCAG AA × Fail

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

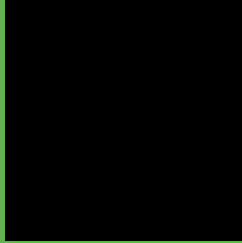
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 65B050 Background



This preview shows how black text looks on a background with the Hex color 65B050.

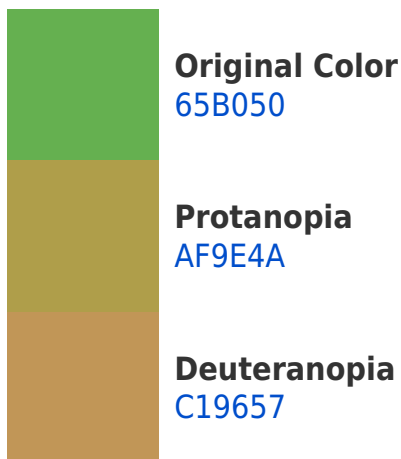


This preview shows how white text looks on a background with the Hex color 65B050.

# 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**  
77A6B3

# Trichromacy



**Original Color**  
65B050



**Protanomaly**  
94A54C



**Deuteranomaly**  
A09F54



**Tritanomaly**  
70AA8F

# Monochromacy



**Original Color**  
65B050



**Achromatopsia**  
8F8F8F



**Achromatomaly**  
809B78

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 65B050 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 #65B050 looks like.

```
.text, #text, p{  
    color:#65B050  
}
```

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 #65B050 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #65B050
}
```

## Border

The CSS property to change the border of an element to Hex 65B050 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
#65B050 }
```

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

```
.border{ border-color:#65B050 }
```

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

Here you see how a box with a 4 pixel #65B050 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #65B050; -webkit-box-shadow:4px 4px  
4px 4px #65B050; box-shadow:4px 4px 4px  
4px #65B050 }
```

# Background

The CSS property to change the background color of an element to Hex 65B050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#65B050 }
```

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

```
.background{ background-color:#65B050 }
```

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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