

# Converting Colors

Hex(65AC50)

Have a look what the booklet for  
Hex(65AC50) contains.

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**Color**

**Hex(65AC50)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65AC50
RGB	101, 172, 80
RGB Percent	40%, 67%, 31%
CMY	0.6039, 0.3255, 0.6863
CMYK	0.41, 0.00, 0.53, 0.33
HSL	106°, 37%, 49%
HSV	106°, 53%, 67%
XYZ	21.5673, 32.8509, 12.7936
YIQ	140.2830, -12.7840, -43.6640

# Conversions

## Conversions Part 2

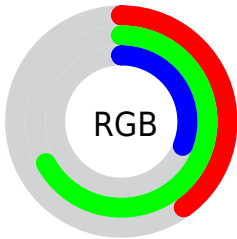
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">80, 172, 151</a>
Decimal	<a href="#">6663248</a>
CIELab	<a href="#">64.04, -40.03, 40.04</a>
CIELCh	<a href="#">64, 56.620, 134.992</a>
Yxy	<a href="#">32.8509, 0.3209, 0.4888</a>
Android (android.graphics.Color)	<a href="#">4284853328 (0xFF65AC50)</a>
YUV	<a href="#">140.2830, -29.7195, -34.4512</a>
Hunter-Lab	<a href="#">57.3157, -33.1348, 26.8868</a>

# Details

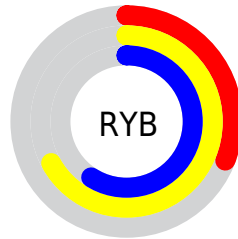
The Hex color **65AC50** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **9750AC**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **9CE483**, and **2E771E** is the 20% darker color. If you saturate the color by 10%, you get **58AC3F**, and if you desaturate by 10%, it is **72AC61**.

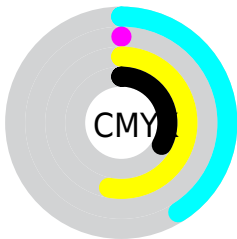
# Distribution



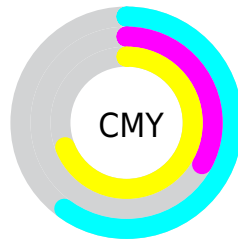
- Red (40%)
- Green (67%)
- Blue (31%)



- Red (31%)
- Yellow (67%)
- Blue (59%)



- Cyan (41%)
- Magenta (0%)
- Yellow (53%)
- Black (33%)



- Cyan (60%)
- Magenta (33%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 65AC50 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 65AC50 by changing the saturation by 10% instead.



 65AC50

 65AC50


FFFFFF

 4A9137

 9CE483

 2E771E

 B8FF9E

 0B5E00

 D4FFBA

 004500

 F2FFD6

 002E00

 FFFFF3

 001700

 000000

 65AC50

 65AC50

 58AC3F

 72AC61

 4AAC2E

 80AC72

 3DAC1C

 8DAC84

 30AC0B

 9AAC95

 27AC00

 A7ACA6

 B5ACB7

 C2ACC8

 CFACDA

 DCACEB

# Harmonies

## Analogous

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



9EA032



65AC50



00B27F

# Triad

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



65AC50



00A8FC



F86E84

# Complementary

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



65AC50



9750AC

# 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.



EB71B7



65AC50



6E98FD

# Square

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



65AC50



00B1E2



BF83E3



EC7C56

# Rectangle

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



65AC50



00B4A2



BF83E3



F76D95



# Sweetspot

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



65AC50



C5E0BC



AC9750



60705B



F0F0F0



707070



# Same Dimension

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



65AC50



72E051



50AC69



50574E



229600



051700



# Inverse Universe

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



9750AC



C051E0



AC5093



554E57



740096



120017



# Previews

## White Background



This preview shows how the Hex color 65AC50 looks on a white background.

## Color Contrast Check

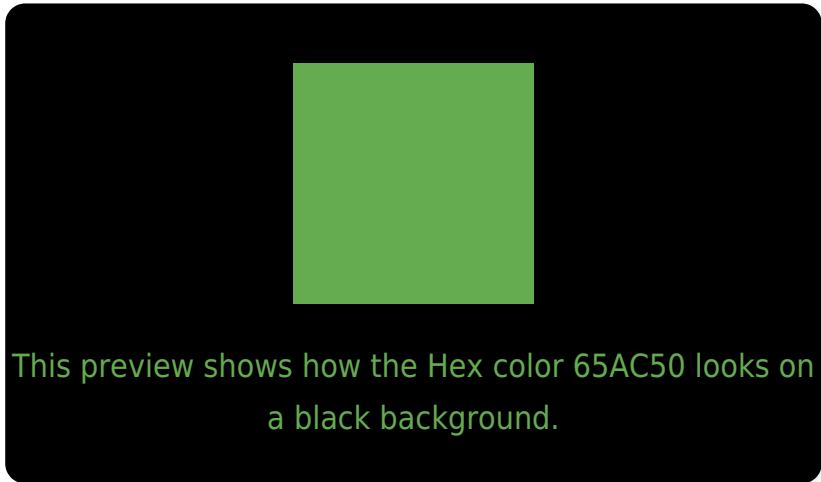
Large Text (above 18pt) WCAG AA × Fail

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 65AC50 Background



This preview shows how black text looks on a background with the Hex color 65AC50.

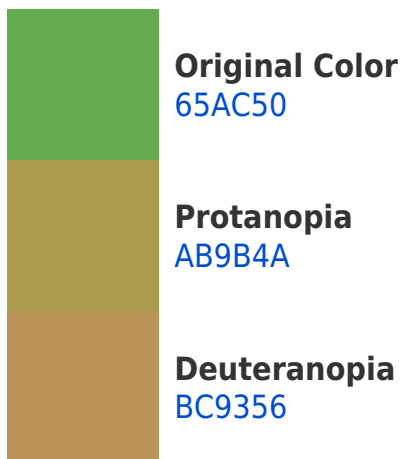


This preview shows how white text looks on a background with the Hex color 65AC50.

# 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](#).

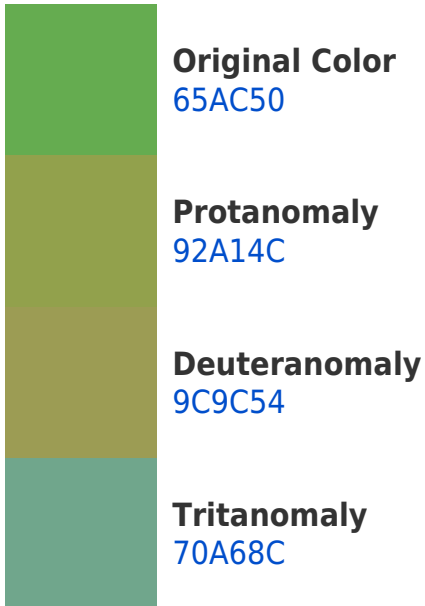
## Dichromacy



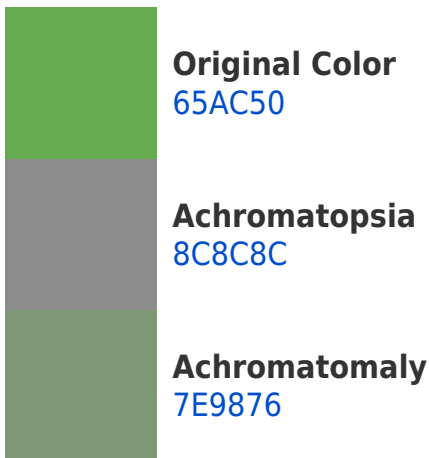


**Tritanopia**  
76A2AF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 65AC50 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 #65AC50 looks like.

```
.text, #text, p{  
    color:#65AC50  
}
```

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 #65AC50 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #65AC50
}
```

## Border

The CSS property to change the border of an element to Hex 65AC50 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
#65AC50 }
```

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

```
.border{ border-color:#65AC50 }
```

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

Here you see how a box with a 4 pixel #65AC50 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #65AC50; -webkit-box-shadow:4px 4px  
4px 4px #65AC50; box-shadow:4px 4px 4px  
4px #65AC50 }
```

# Background

The CSS property to change the background color of an element to Hex 65AC50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#65AC50 }
```

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

```
.background{ background-color:#65AC50 }
```

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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