

# Converting Colors

Hex(64B834)

Have a look what the booklet for  
Hex(64B834) contains.

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**Color**

**Hex(64B834)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64B834
RGB	100, 184, 52
RGB Percent	39%, 72%, 20%
CMY	0.6078, 0.2784, 0.7961
CMYK	0.46, 0.00, 0.72, 0.28
HSL	98°, 56%, 46%
HSV	98°, 72%, 72%
XYZ	23.0159, 37.2382, 9.2234
YIQ	143.8360, -7.6920, -58.8600

# Conversions

## Conversions Part 2

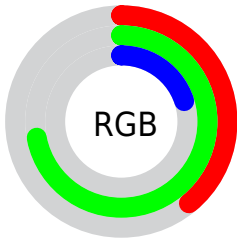
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">52, 184, 136</a>
Decimal	<a href="#">6600756</a>
CIELab	<a href="#">67.46, -48.07, 56.05</a>
CIELCh	<a href="#">67, 73.843, 130.617</a>
Yxy	<a href="#">37.2382, 0.3313, 0.5360</a>
Android (android.graphics.Color)	<a href="#">4284790836 (0xFF64B834)</a>
YUV	<a href="#">143.8360, -45.2751, -38.4442</a>
Hunter-Lab	<a href="#">61.0231, -39.4664, 33.7547</a>

# Details

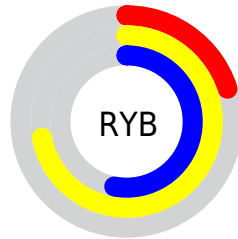
The Hex color **64B834** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **8834B8**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **9DF16A**, and **278200** is the 20% darker color. If you saturate the color by 10%, you get **58B822**, and if you desaturate by 10%, it is **70B846**.

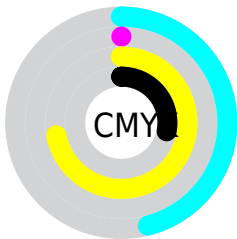
# Distribution



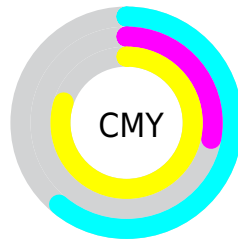
- Red (39%)
- Green (72%)
- Blue (20%)



- Red (20%)
- Yellow (72%)
- Blue (53%)



- Cyan (46%)
- Magenta (0%)
- Yellow (72%)
- Black (28%)



- Cyan (61%)
- Magenta (28%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64B834 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 64B834 by changing the saturation by 10% instead.



 64B834

 64B834

FFFFFF

 479D14

 9DF16A

 278200

 BAFF86

 006800

 D7FFA1

 004F00


 F5FFBD

 003700

 FFFFDA

 002100

 FFFFF7

 000000

 64B834

 64B834

 58B822

 70B846

 4DB80F

 7BB859

 43B800

 87B86B

 93B87E

 9FB890

 AAB8A2

 B6B8B5

 C2B8C7

 CDB8DA

# Harmonies

## Analogous

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



AEA900



64B834



00C075

# Triad

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



64B834



00B7FF



FF608F

# Complementary

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



64B834



8834B8

# 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.



FF69D2



64B834



28A4FF

# Square

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



64B834



00C1FA



C587FF



FF7450

# Rectangle

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



64B834



00C3A4



C587FF



FF5FA6

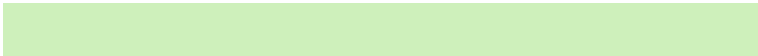


# Sweetspot

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



64B834



CEF0BB



B88834



647859



F7F7F7



787878



# Same Dimension

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



64B834



6DF022



34B846



565C53



399C00



0A1C00



# Inverse Universe

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



8834B8



A522F0



B834A6



58535C



63009C



12001C



# Previews

## White Background



This preview shows how the Hex color 64B834 looks on a white background.

## Color Contrast Check

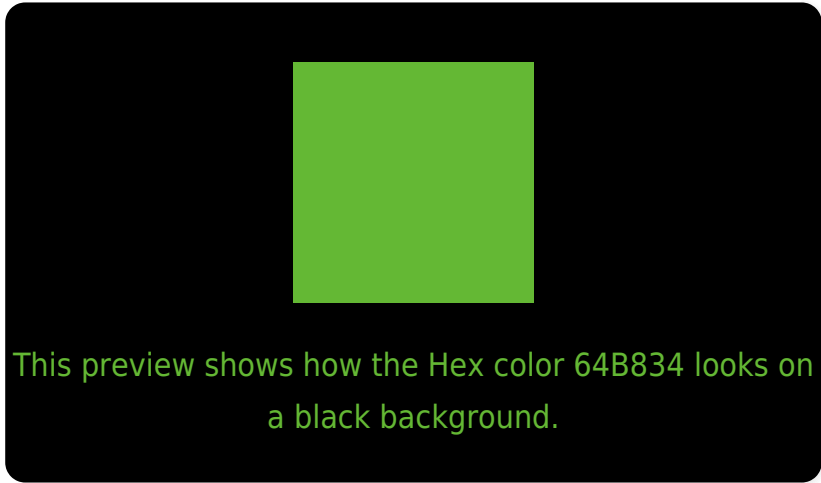
Large Text (above 18pt) WCAG AA × Fail

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 64B834 Background



This preview shows how black text looks on a background with the Hex color 64B834.



This preview shows how white text looks on a background with the Hex color 64B834.

# Color Blindness Simulation

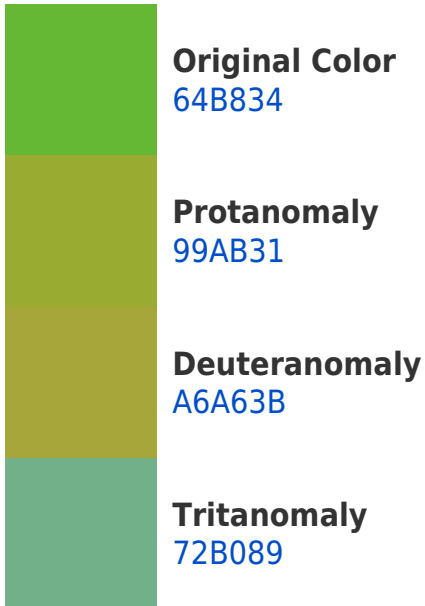
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

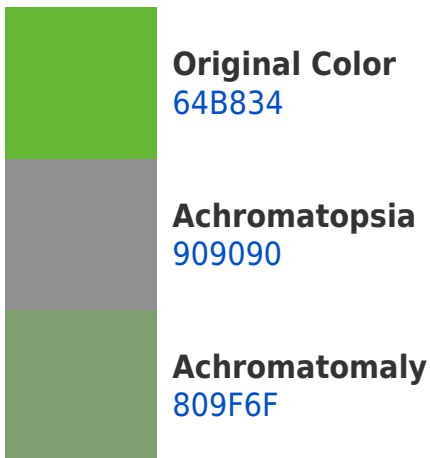




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64B834 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 #64B834 looks like.

```
.text, #text, p{  
    color:#64B834  
}
```

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 #64B834 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64B834
}
```

## Border

The CSS property to change the border of an element to Hex 64B834 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
#64B834 }
```

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

```
.border{ border-color:#64B834 }
```

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

Here you see how a box with a 4 pixel #64B834 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64B834; -webkit-box-shadow:4px 4px  
4px 4px #64B834; box-shadow:4px 4px 4px  
4px #64B834 }
```

# Background

The CSS property to change the background color of an element to Hex 64B834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64B834 }
```

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

```
.background{ background-color:#64B834 }
```

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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