

# Converting Colors

Hex(646834)

Have a look what the booklet for  
Hex(646834) contains.

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**Color**

**Hex(646834)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	646834
RGB	100, 104, 52
RGB Percent	39%, 41%, 20%
CMY	0.6078, 0.5922, 0.7961
CMYK	0.04, 0.00, 0.50, 0.59
HSL	65°, 33%, 31%
HSV	65°, 50%, 41%
XYZ	10.8257, 12.8579, 5.1601
YIQ	96.8760, 14.3080, -17.0200

# Conversions

## Conversions Part 2

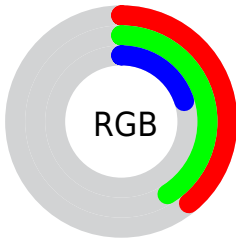
<b>Format</b>	<b>Color</b>
<b>RYB</b>	52, 104, 56
Decimal	6580276
CIELab	42.55, -10.00, 28.57
CIELCh	43, 30.267, 109.283
Yxy	12.8579, 0.3753, 0.4458
Android (android.graphics.Color)	4284770356 (0xFF646834)
YUV	96.8760, -22.1239, 2.7397
Hunter-Lab	35.8579, -8.8613, 16.5685

# Details

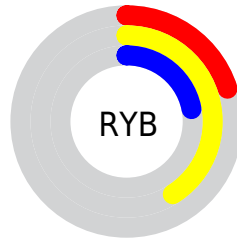
The Hex color **646834** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **383468**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **989B64**, and **343906** is the 20% darker color. If you saturate the color by 10%, you get **63682A**, and if you desaturate by 10%, it is **65683E**.

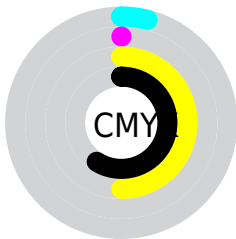
# Distribution



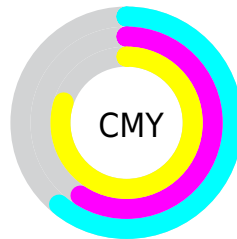
- Red (39%)
- Green (41%)
- Blue (20%)



- Red (20%)
- Yellow (41%)
- Blue (22%)



- Cyan (4%)
- Magenta (0%)
- Yellow (50%)
- Black (59%)



- Cyan (61%)
- Magenta (59%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 646834 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 646834 by changing the saturation by 10% instead.



■ 646834

■ 646834

FFFFFF

■ 4B501D

■ 989B64

■ 343906

■ B3B67D

■ 1E2400

■ CFD197

■ 001000

■ ECEEB2

■ 000000

■ FFFFCE

■ FFFFEA

■ 646834

■ 646834

■ 63682A

■ 65683E

■ 62681F

■ 666849

■ 626815

■ 666853

■ 61680A

■ 67685E

■ 606800

■ 686868

■ 696872

■ 6A687D

■ 6A6887

■ 6B6892

# Harmonies

## Analogous

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



7C6033



646834



476E43

# Triad

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



646834



006F8A



8F516E

# Complementary

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



646834



383468

# 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.



7B5885



646834



286A95

# Square

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



646834



007174



596194



945155

# Rectangle

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



646834



307052



596194



8A5377



# Sweetspot

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



646834



868773



683734



444538



C4C4C4



454545



# Same Dimension

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



646834



818736



4B6834



33332E



6A7300



E0F200



# Inverse Universe

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



383468



3C3687



513468



2E2E33



090073



1300F2



# Previews

## White Background



This preview shows how the Hex color 646834 looks on a white background.

## Color Contrast Check

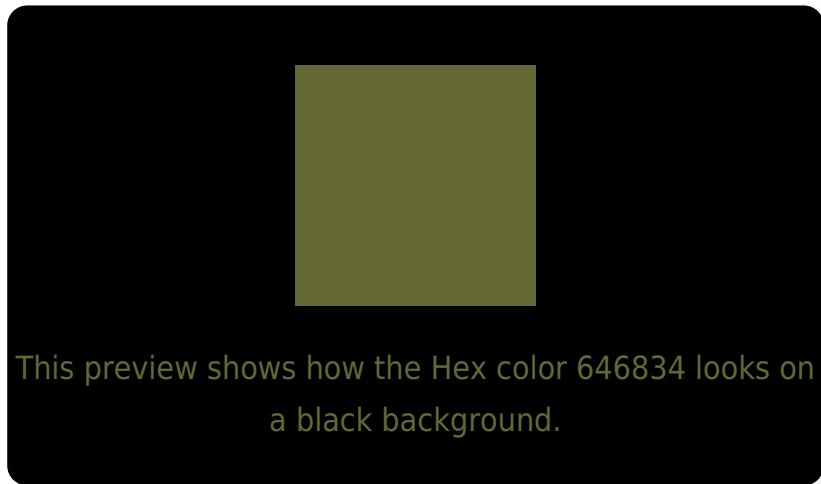
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

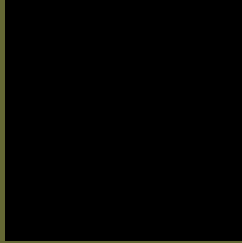
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 646834 Background



This preview shows how black text looks on a background with the Hex color 646834.



This preview shows how white text looks on a background with the Hex color 646834.

# 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**

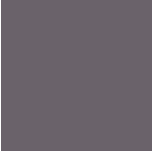
646834

**Protanopia**

6F6433

**Deuteranopia**

7B6036



**Tritanopia**  
6A626A

# Trichromacy



**Original Color**  
646834

**Protanomaly**  
6B6533

**Deuteranomaly**  
736335

**Tritanomaly**  
686456

# Monochromacy



**Original Color**  
646834

**Achromatopsia**  
616161

**Achromatomaly**  
626451

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 646834 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 #646834 looks like.

```
.text, #text, p{  
    color:#646834  
}
```

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 #646834 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #646834
}
```

## Border

The CSS property to change the border of an element to Hex 646834 is called "border". The border property can be set on classes, ids or directly on the HTML element.

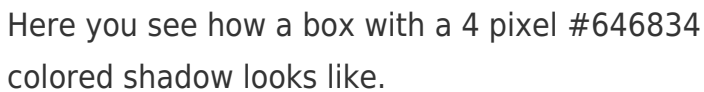
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#646834 }
```

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

```
.border{ border-color:#646834 }
```

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



Here you see how a box with a 4 pixel #646834 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #646834; -webkit-box-shadow:4px 4px  
4px 4px #646834; box-shadow:4px 4px 4px  
4px #646834 }
```

# Background

The CSS property to change the background color of an element to Hex 646834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#646834 }
```

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

```
.background{ background-color:#646834 }
```

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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