

# Converting Colors

Hex(647B54)

Have a look what the booklet for  
Hex(647B54) contains.

<b>Hex(647B54)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(647B54)

# Conversions

## Conversions Part 1

Format	Color
Hex	647B54
RGB	100, 123, 84
RGB Percent	39%, 48%, 33%
CMY	0.6078, 0.5176, 0.6706
CMYK	0.19, 0.00, 0.32, 0.52
HSL	95°, 19%, 41%
HSV	95°, 32%, 48%
XYZ	13.9387, 17.5153, 11.0337
YIQ	111.6770, -1.1890, -17.0050

# Conversions

## Conversions Part 2

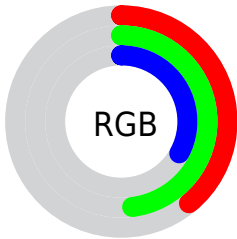
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	84, 123, 107
Decimal	6585172
CIE Lab	48.90, -16.08, 18.66
CIE LCh	49, 24.632, 130.757
Yxy	17.5153, 0.3281, 0.4122
Android (android.graphics.Color)	4284775252 (0xFF647B54)
YUV	111.6770, -13.6448, -10.2407
Hunter-Lab	41.8513, -13.7898, 13.6648

# Details

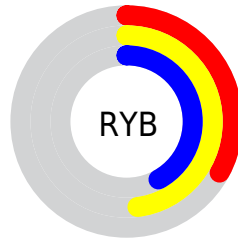
The Hex color **647B54** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6B547B**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **97B086**, and **344A26** is the 20% darker color. If you saturate the color by 10%, you get **5D7B48**, and if you desaturate by 10%, it is **6B7B60**.

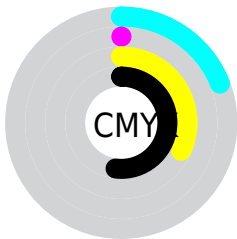
# Distribution



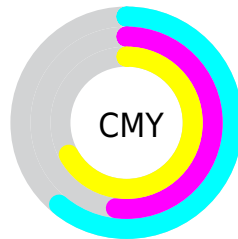
- Red (39%)
- Green (48%)
- Blue (33%)



- Red (33%)
- Yellow (48%)
- Blue (42%)



- Cyan (19%)
- Magenta (0%)
- Yellow (32%)
- Black (52%)



- Cyan (61%)
- Magenta (52%)
- Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 647B54 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 647B54 by changing the saturation by 10% instead.





647B54



647B54

FFFFFF



4C623D



97B086



344A26



B2CBA0



1E3311



CEE7BB



081E00



EAFD7



000000



FFFFF3



647B54



647B54



5D7B48



6B7B60



557B3B



737B6D

 4E7B2F

 7A7B79

 477B23

 817B85

 407B17

 887B92

 387B0A

 907B9E

 327B00

 977BAA

 9E7BB6

 A57BC3

# Harmonies

## Analogous

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



7B754B



647B54



4B7F66

# Triad

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



647B54



447A9B



9D646D

# Complementary

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



647B54



6B547B

# 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.



956682



647B54



64749D

# Square

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



647B54



2E7E8F



816C94



9B685A

# Rectangle

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



647B54



3B8074



816C94



9C6474



# Sweetspot

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



647B54



97A191



7B6B54



4C5248



D1D1D1



525252



# Same Dimension

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



647B54



7DA164



547B57



3A3D37



337D00



68FC00



# Inverse Universe

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



6B547B



8864A1



7B5478



3B373D



4A007D

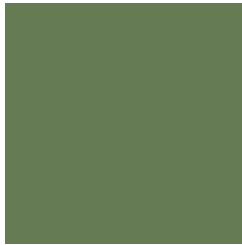


9500FC



# Previews

## White Background



This preview shows how the Hex color 647B54 looks on a white background.

## Color Contrast Check

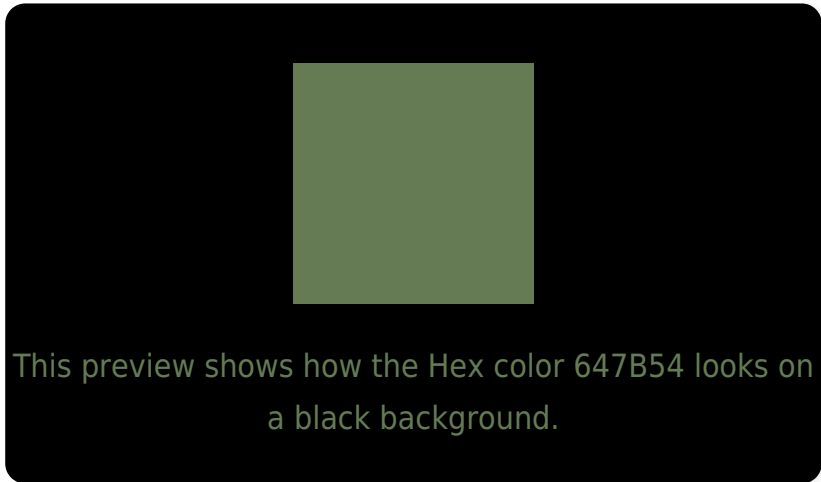
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

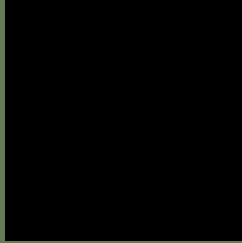
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 647B54 Background



This preview shows how black text looks on a background with the Hex color 647B54.



This preview shows how white text looks on a background with the Hex color 647B54.

# 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](#).

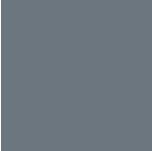
## Dichromacy



**Original Color**  
647B54

**Protanopia**  
7D7451

**Deuteranopia**  
896F57



**Tritanopia**  
6B767F

# Trichromacy



**Original Color**  
647B54

**Protanomaly**  
747752

**Deuteranomaly**  
7C7356

**Tritanomaly**  
68786F

# Monochromacy



**Original Color**  
647B54

**Achromatopsia**  
707070

**Achromatomaly**  
6C7466

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 647B54 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 #647B54 looks like.

```
.text, #text, p{  
    color:#647B54  
}
```

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 #647B54 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #647B54
}
```

## Border

The CSS property to change the border of an element to Hex 647B54 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
#647B54 }
```

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

```
.border{ border-color:#647B54 }
```

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

Here you see how a box with a 4 pixel #647B54 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #647B54; -webkit-box-shadow:4px 4px  
4px 4px #647B54; box-shadow:4px 4px 4px  
4px #647B54 }
```

# Background

The CSS property to change the background color of an element to Hex 647B54 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#647B54 }
```

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

```
.background{ background-color:#647B54 }
```

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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