

# Converting Colors

Hex(7B5647)

Have a look what the booklet for  
Hex(7B5647) contains.

<b>Hex(7B5647)</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(7B5647)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7B5647
RGB	123, 86, 71
RGB Percent	48%, 34%, 28%
CMY	0.5176, 0.6627, 0.7216
CMYK	0.00, 0.30, 0.42, 0.52
HSL	17°, 27%, 38%
HSV	17°, 42%, 48%
XYZ	12.6335, 11.3215, 7.4806
YIQ	95.3530, 26.8670, 3.1790

# Conversions

## Conversions Part 2

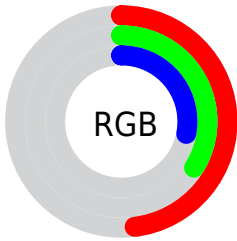
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	123, 92, 71
Decimal	8083015
CIE Lab	40.12, 13.29, 14.84
CIE LCh	40, 19.920, 48.155
Yxy	11.3215, 0.4019, 0.3601
Android (android.graphics.Color)	4286273095 (0xFF7B5647)
YUV	95.3530, -12.0060, 24.2464
Hunter-Lab	33.6474, 8.1380, 10.3715

# Details

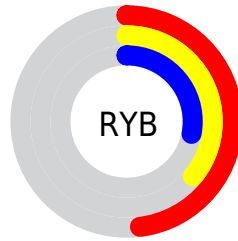
The Hex color **7B5647** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **476C7B**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **B18877**, and **48281B** is the 20% darker color. If you saturate the color by 10%, you get **7B4D3B**, and if you desaturate by 10%, it is **7B5F53**.

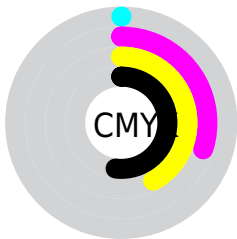
# Distribution



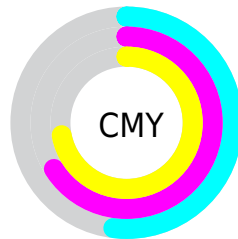
- Red (48%)
- Green (34%)
- Blue (28%)



- Red (48%)
- Yellow (36%)
- Blue (28%)



- Cyan (0%)
- Magenta (30%)
- Yellow (42%)
- Black (52%)



- Cyan (52%)
- Magenta (66%)
- Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B5647 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 7B5647 by changing the saturation by 10% instead.



 7B5647

 7B5647

FFFFFF

 613F31

 B18877

 48281B

 CDA291

 311401

 E9BDAC

 1B0001

 FFD9C7

 000000

 FFF6E3

 7B5647

 7B5647

 7B4D3B

 7B5F53

 7B442E

 7B6860

 7B3C22

 7B706C

 7B3316

 7B7978

 7B2A09

 7B8284

 7B2300

 7B8B91

 7B939D

 7B9CA9

 7BA5B6

# Harmonies

## Analogous

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



7F5355



7B5647



705B3F

# Triad

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



7B5647



3A6757



585D7D

# Complementary

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



7B5647



476C7B

# 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.



40627E



7B5647



2C6768

# Square

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



7B5647



4D6548



2D6676



6D5774

# Rectangle

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



7B5647



665F3E



2D6676



505F7E



# Sweetspot

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



7B5647



A1928C



7B476C



524845



D1D1D1



525252



# Same Dimension

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



7B5647



A1664F



7B7047



3D3937



7D2400



FC4900



# Inverse Universe

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



476C7B



4F89A1



47527B



373B3D



00597D



00B4FC



# Previews

## White Background



This preview shows how the Hex color 7B5647 looks on a white background.

## Color Contrast Check

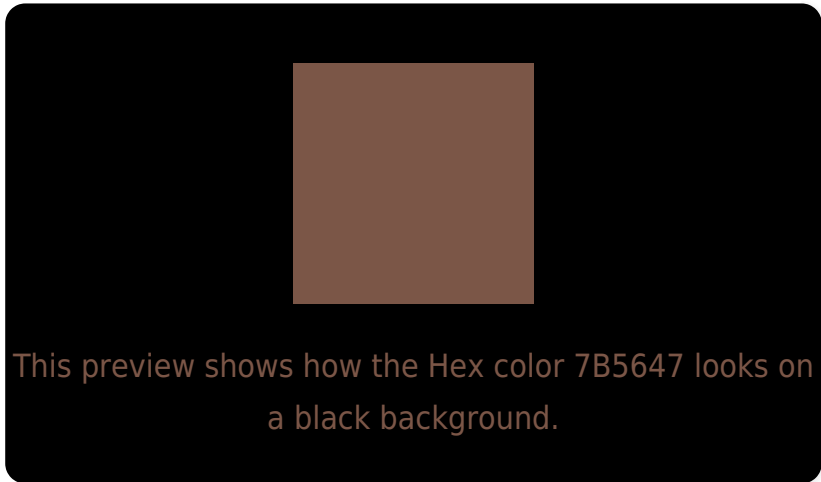
Large Text (above 18pt) WCAG AA ✓ Pass

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 7B5647 Background



This preview shows how black text looks on a background with the Hex color 7B5647.

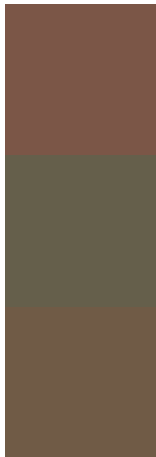


This preview shows how white text looks on a background with the Hex color 7B5647.

# 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**  
7B5647

**Protanopia**  
655F4B

**Deuteranopia**  
705B46



**Tritanopia**  
7D535A

# Trichromacy



**Original Color**  
7B5647

**Protanomaly**  
6D5C4A

**Deuteranomaly**  
745946

**Tritanomaly**  
7C5453

# Monochromacy



**Original Color**  
7B5647

**Achromatopsia**  
5F5F5F

**Achromatomaly**  
695C56

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B5647 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 #7B5647 looks like.

```
.text, #text, p{  
    color:#7B5647  
}
```

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 #7B5647 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B5647
}
```

## Border

The CSS property to change the border of an element to Hex 7B5647 is called "border". The border property can be set on classes, ids or directly on the HTML element.

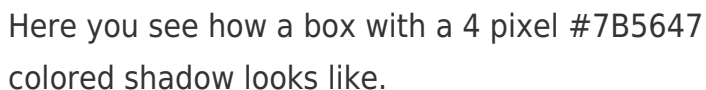
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7B5647 }
```

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

```
.border{ border-color:#7B5647 }
```

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



Here you see how a box with a 4 pixel #7B5647 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B5647; -webkit-box-shadow:4px 4px  
4px 4px #7B5647; box-shadow:4px 4px 4px  
4px #7B5647 }
```

# Background

The CSS property to change the background color of an element to Hex 7B5647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B5647 }
```

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

```
.background{ background-color:#7B5647 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor