

# Converting Colors

Hex(7B704E)

Have a look what the booklet for  
Hex(7B704E) contains.

<b>Hex(7B704E)</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(7B704E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7B704E
RGB	123, 112, 78
RGB Percent	48%, 44%, 31%
CMY	0.5176, 0.5608, 0.6941
CMYK	0.00, 0.09, 0.37, 0.52
HSL	45°, 22%, 39%
HSV	45°, 37%, 48%
XYZ	15.3377, 16.3494, 9.5551
YIQ	111.4130, 17.4700, -8.2420

# Conversions

## Conversions Part 2

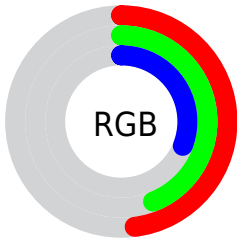
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	93, 123, 78
Decimal	8089678
CIE Lab	47.43, -1.19, 20.48
CIE LCh	47, 20.519, 93.322
Yxy	16.3494, 0.3719, 0.3964
Android (android.graphics.Color)	4286279758 (0xFF7B704E)
YUV	111.4130, -16.4726, 10.1618
Hunter-Lab	40.4343, -3.0508, 14.2931

# Details

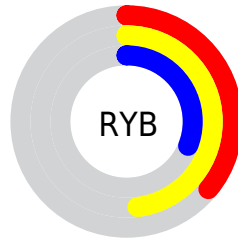
The Hex color **7B704E** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4E597B**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **B0A47F**, and **494021** is the 20% darker color. If you saturate the color by 10%, you get **7B6D42**, and if you desaturate by 10%, it is **7B735A**.

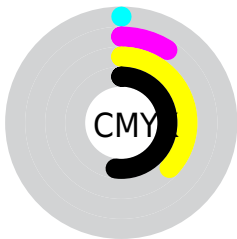
# Distribution



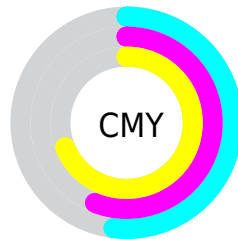
- Red (48%)
- Green (44%)
- Blue (31%)



- Red (36%)
- Yellow (48%)
- Blue (31%)



- Cyan (0%)
- Magenta (9%)
- Yellow (37%)
- Black (52%)



- Cyan (52%)
- Magenta (56%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B704E 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 7B704E by changing the saturation by 10% instead.



 7B704E

 7B704E

FFFFFF

 625837

 B0A47F

 494021

 CCBF99

 322B0B

 E8DAB4

 1C1600

 FFF7D0

 000000

 FFFFEC

 7B704E

 7B704E

 7B6D42

 7B735A

 7B6A35

 7B7667

 7B6729

 7B7973

 7B641D

 7B7C7F

 7B6111

 7B7F8C

 7B5E04

 7B8298

 7B5D00

 7B85A4

 7B88B0

 7B8BBD

# Harmonies

## Analogous

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



8A6A52



7B704E



687553

# Triad

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



7B704E



3B7983



886680

# Complementary

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



7B704E



4E597B

# 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.



766B8D



7B704E



46768F

# Square

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



7B704E



437A72



5D7193



92646F

# Rectangle

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



7B704E



5B785B



5D7193



836885



# Sweetspot

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



7B704E



A19C8F



7B4E59



524F47



D1D1D1



525252



# Same Dimension

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



7B704E



A18F5A



707B4E



3D3C37



7D5E00



FCBF00



# Inverse Universe

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



4E597B



5A6BA1



594E7B



37393D



001F7D



003EFC



# Previews

## White Background



This preview shows how the Hex color 7B704E looks on a white background.

## Color Contrast Check

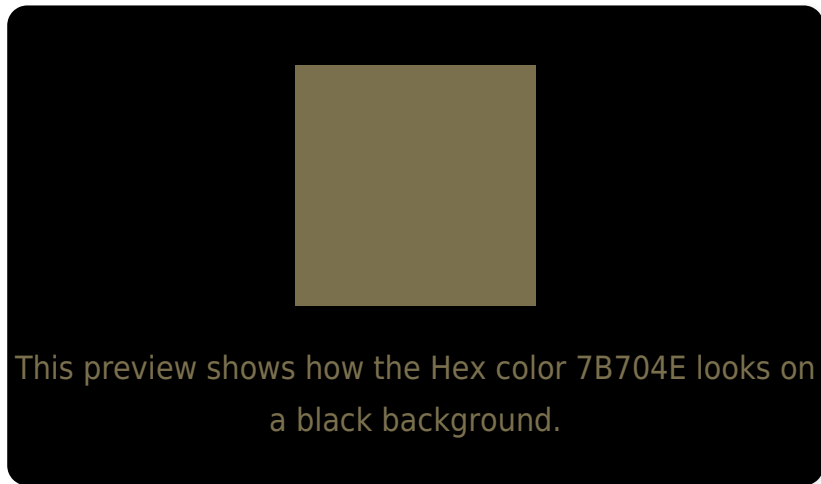
Large Text (above 18pt) WCAG AA ✓ Pass

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

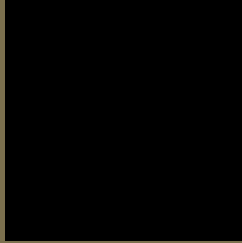
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7B704E Background



This preview shows how black text looks on a background with the Hex color 7B704E.



This preview shows how white text looks on a background with the Hex color 7B704E.

# 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**

7B704E

**Protanopia**

7A704E

**Deuteranopia**

866C4F



**Tritanopia**  
7F6B74

# Trichromacy



**Original Color**  
7B704E

**Protanomaly**  
7A704E

**Deuteranomaly**  
826D4F

**Tritanomaly**  
7E6D66

# Monochromacy



**Original Color**  
7B704E

**Achromatopsia**  
6F6F6F

**Achromatomaly**  
736F63

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B704E 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 #7B704E looks like.

```
.text, #text, p{  
    color:#7B704E  
}
```

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 #7B704E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B704E
}
```

## Border

The CSS property to change the border of an element to Hex 7B704E 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
#7B704E }
```

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

```
.border{ border-color:#7B704E }
```

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

Here you see how a box with a 4 pixel #7B704E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B704E; -webkit-box-shadow:4px 4px  
4px 4px #7B704E; box-shadow:4px 4px 4px  
4px #7B704E }
```

# Background

The CSS property to change the background color of an element to Hex 7B704E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B704E }
```

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

```
.background{ background-color:#7B704E }
```

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