

# Converting Colors

Hex(83784B)

Have a look what the booklet for  
Hex(83784B) contains.

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**Color**

**Hex(83784B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83784B
RGB	131, 120, 75
RGB Percent	51%, 47%, 29%
CMY	0.4863, 0.5294, 0.7059
CMYK	0.00, 0.08, 0.43, 0.49
HSL	48°, 27%, 40%
HSV	48°, 43%, 51%
XYZ	17.3465, 18.7662, 9.3646
YIQ	118.1590, 21.0010, -11.6630

# Conversions

## Conversions Part 2

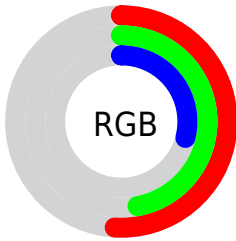
<b>Format</b>	<b>Color</b>
<b>RYB</b>	89, 131, 75
Decimal	8616011
CIELab	50.41, -2.65, 26.22
CIELCh	50, 26.356, 95.764
Yxy	18.7662, 0.3814, 0.4126
Android (android.graphics.Color)	4286806091 (0xFF83784B)
YUV	118.1590, -21.2774, 11.2616
Hunter-Lab	43.3200, -4.3336, 17.5071

# Details

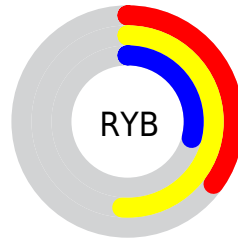
The Hex color **83784B** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **4B5683**, and the grayscale version is **767676**.

A 20% lighter version of the original color is **B9AC7C**, and **50481D** is the 20% darker color. If you saturate the color by 10%, you get **83753E**, and if you desaturate by 10%, it is **837B58**.

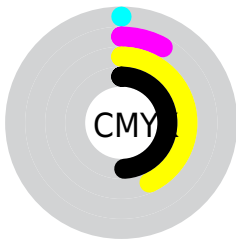
# Distribution



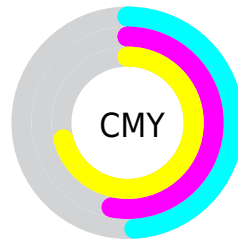
- Red (51%)
- Green (47%)
- Blue (29%)



- Red (35%)
- Yellow (51%)
- Blue (29%)



- Cyan (0%)
- Magenta (8%)
- Yellow (43%)
- Black (49%)



- Cyan (49%)
- Magenta (53%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83784B 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 83784B by changing the saturation by 10% instead.





83784B



83784B

FFFFFF



695F34



B9AC7C



50481D



D5C797



383106



F2E3B1



221D00



FFFFCD



000300



FFFFE9



000000



83784B



83784B



83753E



837B58



837331



837D65

 837024

 838072

 836E17

 83827F

 836B09

 83858C

 836900

 83879A

 838AA7

 838DB4

 838FC1

# Harmonies

## Analogous

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



977050



83784B



6B7E53

# Triad

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



83784B



278391



986A8B

# Complementary

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



83784B



4B5683

# 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.



80719C



83784B



3D7FA0

# Square

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



83784B



35847C



6079A4



A36774

# Rectangle

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



83784B



59815E



6079A4



916C92



# Sweetspot

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



83784B



ABA695



834B56



575449



D6D6D6



575757



# Same Dimension

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



83784B



AB9A54



72834B



42413C



826900



030200



# Inverse Universe

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



4B5683



5465AB



5C4B83



3C3D42



001A82



000103



# Previews

## White Background



This preview shows how the Hex color 83784B looks on a white background.

## Color Contrast Check

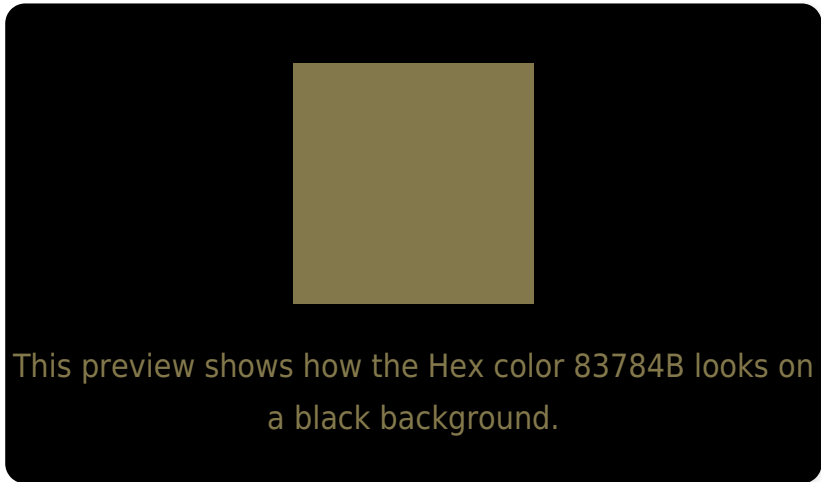
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

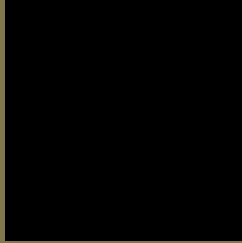
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 83784B Background



This preview shows how black text looks on a background with the Hex color 83784B.



This preview shows how white text looks on a background with the Hex color 83784B.

# 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**  
83784B

**Protanopia**  
83784B

**Deuteranopia**  
91734C



**Tritanopia**  
88727B

# Trichromacy



**Original Color**  
83784B

**Protanomaly**  
83784B

**Deuteranomaly**  
8C754C

**Tritanomaly**  
86746A

# Monochromacy



**Original Color**  
83784B

**Achromatopsia**  
767676

**Achromatomaly**  
7B7766

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83784B 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 #83784B looks like.

```
.text, #text, p{  
    color:#83784B  
}
```

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 #83784B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83784B
}
```

## Border

The CSS property to change the border of an element to Hex 83784B 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
#83784B }
```

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

```
.border{ border-color:#83784B }
```

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

Here you see how a box with a 4 pixel #83784B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83784B; -webkit-box-shadow:4px 4px  
4px 4px #83784B; box-shadow:4px 4px 4px  
4px #83784B }
```

# Background

The CSS property to change the background color of an element to Hex 83784B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83784B }
```

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

```
.background{ background-color:#83784B }
```

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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