

# Converting Colors

Hex(83752A)

Have a look what the booklet for  
Hex(83752A) contains.

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**Color**

**Hex(83752A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83752A
RGB	131, 117, 42
RGB Percent	51%, 46%, 16%
CMY	0.4863, 0.5412, 0.8353
CMYK	0.00, 0.11, 0.68, 0.49
HSL	51°, 51%, 34%
HSV	51°, 68%, 51%
XYZ	16.1393, 17.7150, 4.7592
YIQ	112.6360, 32.4190, -20.3570

# Conversions

## Conversions Part 2

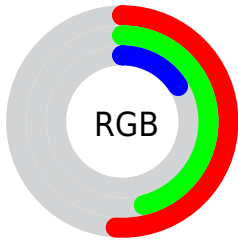
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 131, 42
Decimal	8615210
CIELab	49.15, -3.94, 41.87
CIElCh	49, 42.059, 95.371
Yxy	17.7150, 0.4180, 0.4588
Android (android.graphics.Color)	4286805290 (0xFF83752A)
YUV	112.6360, -34.8235, 16.1052
Hunter-Lab	42.0892, -5.2097, 22.7583

# Details

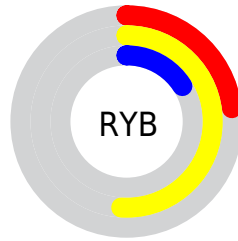
The Hex color **83752A** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **2A3883**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **BAA95B**, and **4F4500** is the 20% darker color. If you saturate the color by 10%, you get **83731D**, and if you desaturate by 10%, it is **837737**.

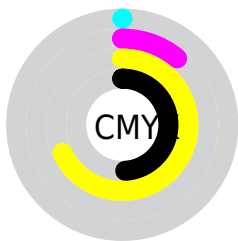
# Distribution



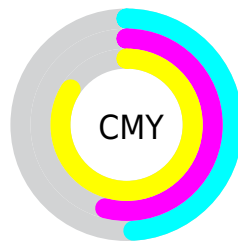
- Red (51%)
- Green (46%)
- Blue (16%)



- Red (23%)
- Yellow (51%)
- Blue (16%)



- Cyan (0%)
- Magenta (11%)
- Yellow (68%)
- Black (49%)



- Cyan (49%)
- Magenta (54%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83752A 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 83752A by changing the saturation by 10% instead.





83752A



83752A

FFFFFF



685D10



BAA95B



4F4500



D7C475



362F00



F4E08F



1D1B00



FFFCAA



000000



FFFFC6



FFFFE2



83752A



83752A



83731D



837737

■ 837110

■ 837944

■ 836F03

■ 837B51

■ 836E00

■ 837D5E

■ 837F6B

■ 838179

■ 838386

■ 838593

■ 8388A0

# Harmonies

## Analogous

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



A16833



83752A



5E7F38

# Triad

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



83752A



00859D



A65B93

# Complementary

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



83752A



2A3883

# 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.



7F69AF



83752A



0080B5

# Square

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



83752A



00877A



3E77BC



B65670

# Rectangle

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



83752A



3E834B



3E77BC



9B5F9E



# Sweetspot

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



83752A



ABA589



832A39



575342



D6D6D6



575757



# Same Dimension

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



83752A



AB951F



65832A



42413C



826E00



030200



# Inverse Universe

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



2A3883



1F35AB



482A83



3C3D42



001482



000003



# Previews

## White Background



This preview shows how the Hex color 83752A looks on a white background.

## Color Contrast Check

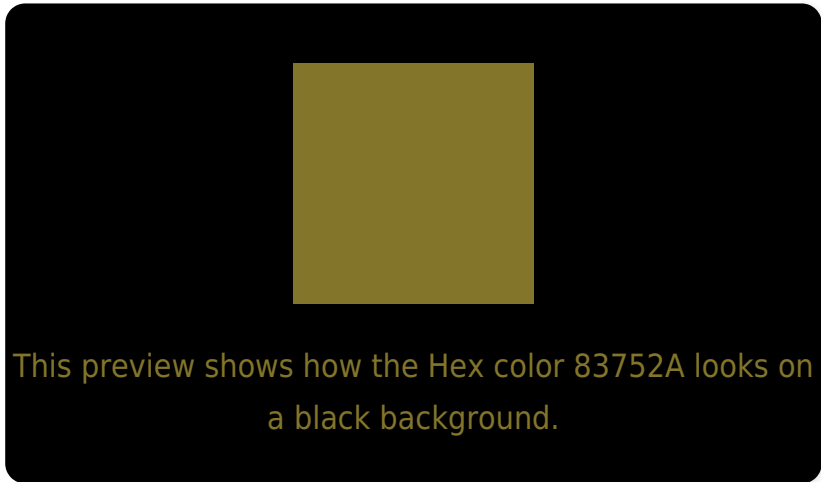
Large Text (above 18pt) WCAG AA ✓ Pass

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 83752A Background



This preview shows how black text looks on a background with the Hex color 83752A.



This preview shows how white text looks on a background with the Hex color 83752A.

# 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**  
83752A

**Protanopia**  
83752A

**Deuteranopia**  
926F2C



**Tritanopia**  
896E76

# Trichromacy



**Original Color**  
83752A

**Protanomaly**  
83752A

**Deuteranomaly**  
8D712B

**Tritanomaly**  
87715A

# Monochromacy



**Original Color**  
83752A

**Achromatopsia**  
717171

**Achromatomaly**  
787257

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83752A 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 #83752A looks like.

```
.text, #text, p{  
    color:#83752A  
}
```

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 #83752A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83752A
}
```

## Border

The CSS property to change the border of an element to Hex 83752A 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
#83752A }
```

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

```
.border{ border-color:#83752A }
```

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

Here you see how a box with a 4 pixel #83752A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83752A; -webkit-box-shadow:4px 4px  
4px 4px #83752A; box-shadow:4px 4px 4px  
4px #83752A }
```

# Background

The CSS property to change the background color of an element to Hex 83752A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83752A }
```

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

```
.background{ background-color:#83752A }
```

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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