

# Converting Colors

Hex(837800)

Have a look what the booklet for  
Hex(837800) contains.

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**Color**

**Hex(837800)**

# Conversions

## Conversions Part 1

Format	Color
Hex	837800
RGB	131, 120, 0
RGB Percent	51%, 47%, 0%
CMY	0.4863, 0.5294, 1.0000
CMYK	0.00, 0.08, 1.00, 0.49
HSL	55°, 100%, 26%
HSV	55°, 100%, 51%
XYZ	16.0765, 18.2582, 2.6769
YIQ	109.6090, 45.0760, -34.9880

# Conversions

## Conversions Part 2

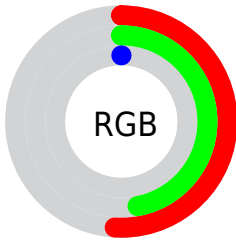
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	12, 131, 0
Decimal	8615936
CIE <sub>Lab</sub>	49.81, -7.14, 55.31
CIE <sub>LCh</sub>	50, 55.766, 97.354
Yxy	18.2582, 0.4344, 0.4933
Android (android.graphics.Color)	4286806016 (0xFF837800)
YUV	109.6090, -54.0372, 18.7599
Hunter-Lab	42.7297, -7.6183, 26.1964

# Details

The Hex color **837800** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **000B83**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **BBAC40**, and **4D4800** is the 20% darker color. If you saturate the color by 10%, you get **837800**, and if you desaturate by 10%, it is **83790D**.

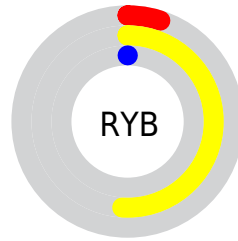
# Distribution



Red (51%)

Green (47%)

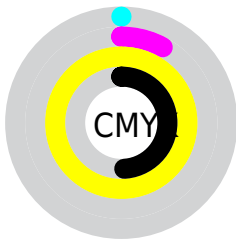
Blue (0%)



Red (5%)

Yellow (51%)

Blue (0%)

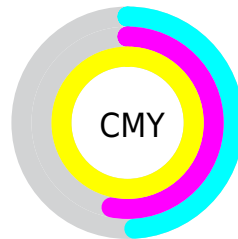


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (49%)



Cyan (49%)

Magenta (53%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 837800 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 837800 by changing the saturation by 10% instead.



 837800

 837800

FFFFFF

 685F00

 BBAC40

 4D4800

 D9C75B

 333200

 F6E375

 1B1D00

 FFFF90

 000000

 FFFFAC

 FFFFC8

 FFFF E5

 837800

 83790D

 837A1A

 837B27

 837C34

 837E42

 837F4F

 83805C

 838169

 838276

# Harmonies

## Analogous

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



AA6718



837800



508423

# Triad

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



837800



008BAF



B84F9C

# Complementary

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



837800



000B83

# 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.



8765C2



837800



0085CE

# Square

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



837800



008D81



0078D5



CB476D

# Rectangle

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



837800



148840



0078D5



AB56AA



# Sweetspot

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



837800



ABA778



83000D



575437



D6D6D6



575757



# Same Dimension

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



837800



AB9D00



4F8300



42423C



827700



030200



# Inverse Universe

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



000B83



000EAB



340083



3C3C42



000B82



000003



# Previews

## White Background



This preview shows how the Hex color 837800 looks on a white background.

## Color Contrast Check

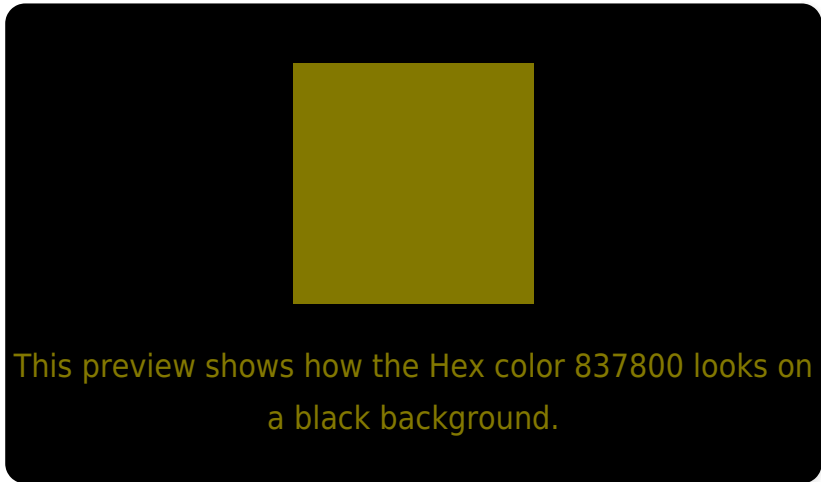
Large Text (above 18pt) WCAG AA ✓ Pass

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 837800 Background



This preview shows how black text looks on a background with the Hex color 837800.



This preview shows how white text looks on a background with the Hex color 837800.

# 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**  
837800

**Protanopia**  
867700

**Deuteranopia**  
967110



**Tritanopia**  
8A7078

# Trichromacy



**Original Color**  
837800

**Protanomaly**  
857700

**Deuteranomaly**  
8F740A

**Tritanomaly**  
87734C

# Monochromacy



**Original Color**  
837800

**Achromatopsia**  
6E6E6E

**Achromatomaly**  
767246

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 837800 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 #837800 looks like.

```
.text, #text, p{  
    color:#837800  
}
```

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 #837800 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #837800
}
```

## Border

The CSS property to change the border of an element to Hex 837800 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
#837800 }
```

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

```
.border{ border-color:#837800 }
```

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

Here you see how a box with a 4 pixel #837800 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #837800; -webkit-box-shadow:4px 4px  
4px 4px #837800; box-shadow:4px 4px 4px  
4px #837800 }
```

# Background

The CSS property to change the background color of an element to Hex 837800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#837800 }
```

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

```
.background{ background-color:#837800 }
```

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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