

# Converting Colors

Hex(837E50)

Have a look what the booklet for  
Hex(837E50) contains.

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**Color**

**Hex(837E50)**

# Conversions

## Conversions Part 1

Format	Color
Hex	837E50
RGB	131, 126, 80
RGB Percent	51%, 49%, 31%
CMY	0.4863, 0.5059, 0.6863
CMYK	0.00, 0.04, 0.39, 0.49
HSL	54°, 24%, 41%
HSV	54°, 39%, 51%
XYZ	18.2689, 20.3262, 10.5499
YIQ	122.2510, 17.7460, -13.2460

# Conversions

## Conversions Part 2

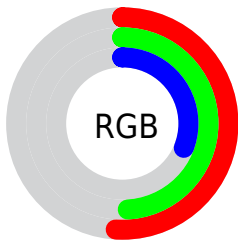
<b>Format</b>	<b>Color</b>
<b>RYB</b>	86, 131, 80
Decimal	8617552
CIELab	52.20, -5.43, 25.73
CIELCh	52, 26.300, 101.912
Yxy	20.3262, 0.3717, 0.4136
Android (android.graphics.Color)	4286807632 (0xFF837E50)
YUV	122.2510, -20.8297, 7.6729
Hunter-Lab	45.0846, -6.5673, 17.6852

# Details

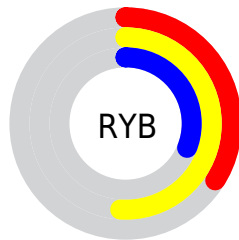
The Hex color **837E50** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **505583**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **B9B382**, and **504D22** is the 20% darker color. If you saturate the color by 10%, you get **837D43**, and if you desaturate by 10%, it is **837F5D**.

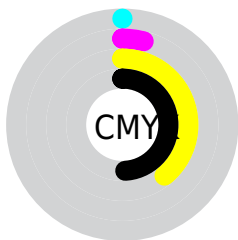
# Distribution



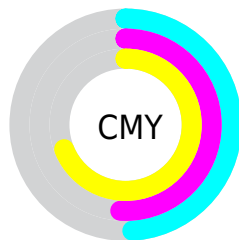
- Red (51%)
- Green (49%)
- Blue (31%)



- Red (34%)
- Yellow (51%)
- Blue (31%)



- Cyan (0%)
- Magenta (4%)
- Yellow (39%)
- Black (49%)



- Cyan (49%)
- Magenta (51%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 837E50 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 837E50 by changing the saturation by 10% instead.





837E50



837E50

FFFFFF



696539



B9B382



504D22



D5CE9C



38370C



F1EAB7



232100



FFFFD3



000C00



FFFFEF



000000



837E50



837E50



837D43



837F5D



837B36



83816A

■ 837A29

■ 838277

■ 83791C

■ 838384

■ 83780F

■ 838492

■ 837601

■ 83869F

■ 837600

■ 8387AC

■ 8388B9

■ 838AC6

# Harmonies

## Analogous

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



987652



837E50



6A845A

# Triad

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



837E50



30879A



A06D8B

# Complementary

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



837E50



505583

# 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.



8B749E



837E50



4983A7

# Square

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



837E50



368985



6C7CA8



A96B74

# Rectangle

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



837E50



588767



6C7CA8



9A6F92



# Sweetspot

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



837E50



ABA996



835055



57564B



D6D6D6



575757



# Same Dimension

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



837E50



ABA35B



6F8350



42423C



827500



030200



# Inverse Universe

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



505583



5B62AB



645083



3C3C42



000D82



000003



# Previews

## White Background



This preview shows how the Hex color 837E50 looks on a white background.

## Color Contrast Check

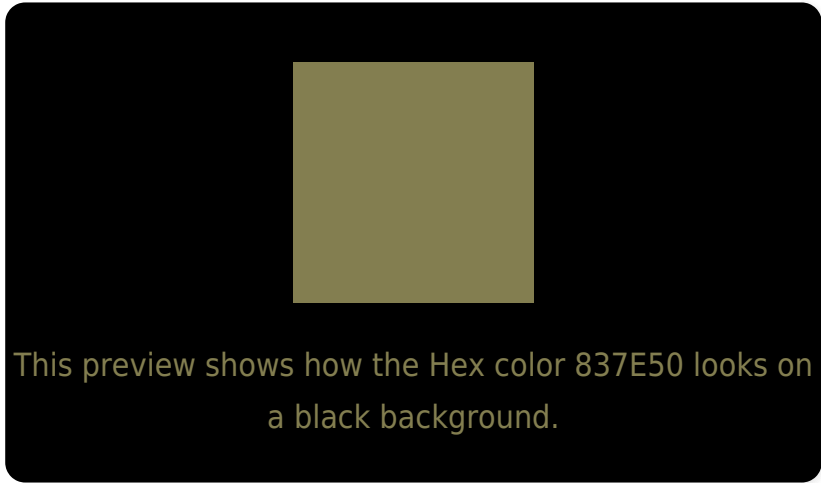
Large Text (above 18pt) WCAG AA ✓ Pass

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

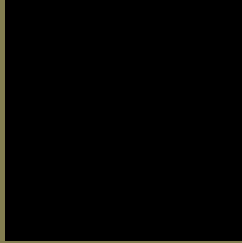
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 837E50 Background



This preview shows how black text looks on a background with the Hex color 837E50.



This preview shows how white text looks on a background with the Hex color 837E50.

# 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**  
837E50

**Protanopia**  
887C4F

**Deuteranopia**  
967752



**Tritanopia**  
897881

# Trichromacy



**Original Color**  
837E50

**Protanomaly**  
867D4F

**Deuteranomaly**  
8F7A51

**Tritanomaly**  
877A6F

# Monochromacy



**Original Color**  
837E50

**Achromatopsia**  
7A7A7A

**Achromatomaly**  
7D7B6B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 837E50 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 #837E50 looks like.

```
.text, #text, p{  
    color:#837E50  
}
```

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 #837E50 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #837E50
}
```

## Border

The CSS property to change the border of an element to Hex 837E50 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
#837E50 }
```

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

```
.border{ border-color:#837E50 }
```

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

Here you see how a box with a 4 pixel #837E50 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #837E50; -webkit-box-shadow:4px 4px  
4px 4px #837E50; box-shadow:4px 4px 4px  
4px #837E50 }
```

# Background

The CSS property to change the background color of an element to Hex 837E50 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#837E50 }
```

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

```
.background{ background-color:#837E50 }
```

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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