

# Converting Colors

Hex(837E45)

Have a look what the booklet for  
Hex(837E45) contains.

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**Color**

**Hex(837E45)**

# Conversions

## Conversions Part 1

Format	Color
Hex	837E45
RGB	131, 126, 69
RGB Percent	51%, 49%, 27%
CMY	0.4863, 0.5059, 0.7294
CMYK	0.00, 0.04, 0.47, 0.49
HSL	55°, 31%, 39%
HSV	55°, 47%, 51%
XYZ	17.8951, 20.1767, 8.5815
YIQ	120.9970, 21.2770, -16.6670

# Conversions

## Conversions Part 2

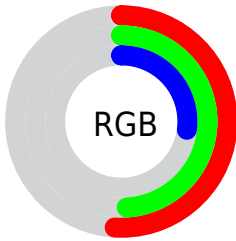
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 131, 69
Decimal	8617541
CIELab	52.04, -6.69, 31.55
CIELCh	52, 32.255, 101.965
Yxy	20.1767, 0.3836, 0.4325
Android (android.graphics.Color)	4286807621 (0xFF837E45)
YUV	120.9970, -25.6345, 8.7726
Hunter-Lab	44.9185, -7.4945, 20.1157

# Details

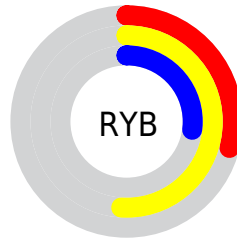
The Hex color **837E45** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **454A83**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **B9B376**, and **504D17** is the 20% darker color. If you saturate the color by 10%, you get **837D38**, and if you desaturate by 10%, it is **837F52**.

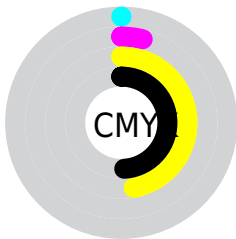
# Distribution



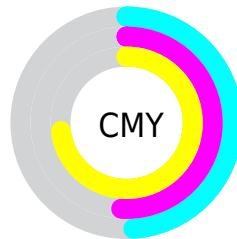
- Red (51%)
- Green (49%)
- Blue (27%)



- Red (29%)
- Yellow (51%)
- Blue (27%)



- Cyan (0%)
- Magenta (4%)
- Yellow (47%)
- Black (49%)



- Cyan (49%)
- Magenta (51%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 837E45 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 837E45 by changing the saturation by 10% instead.



 837E45

 837E45

FFFFFF

 69652E

 B9B376

 504D17

 D5CE91

 383700

 F2EAAB

 212100

 FFFFC7

 000C00

 FFFF E3

 000000

 837E45

 837E45

 837D38

 837F52

 837C2B

 83805F

■ 837B1E

■ 83816C

■ 837A11

■ 838279

■ 837904

■ 838387

■ 837800

■ 838494

■ 8385A1

■ 8386AE

■ 8388BB

# Harmonies

## Analogous

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



9C7548



837E45



658552

# Triad

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



837E45



0089A0



A7688E

# Complementary

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



837E45



454A83

# 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.



8D71A5



837E45



3084B0

# Square

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



837E45



078B87



657BB2



B16672

# Rectangle

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



837E45



4D8861



657BB2



A06B97



# Sweetspot

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



837E45



ABA993



83454A



575648



D6D6D6



575757



# Same Dimension

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



837E45



ABA349



698345



42423C



827800



030200



# Inverse Universe

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



454A83



4951AB



5F4583



3C3C42



000A82



000003



# Previews

## White Background



This preview shows how the Hex color 837E45 looks on a white background.

## Color Contrast Check

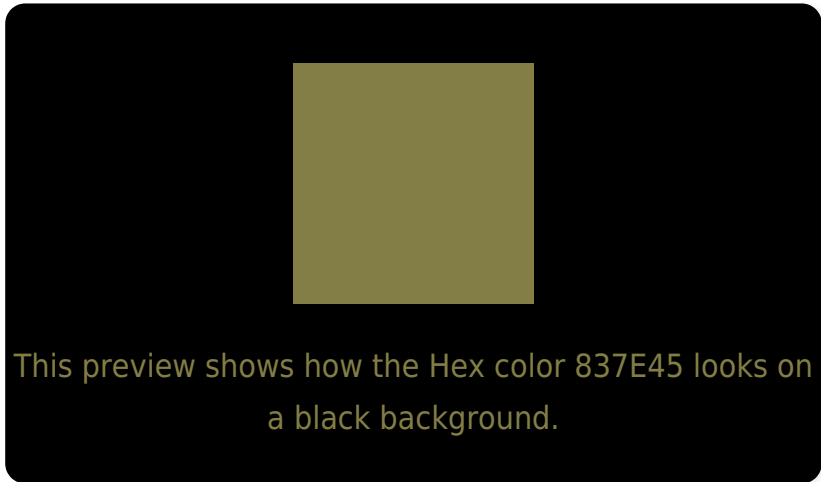
Large Text (above 18pt) WCAG AA ✓ Pass

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

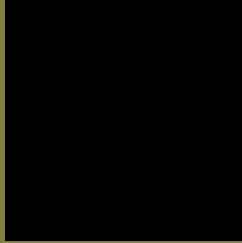
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 837E45 Background



This preview shows how black text looks on a background with the Hex color 837E45.



This preview shows how white text looks on a background with the Hex color 837E45.

# 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**  
837E45

**Protanopia**  
887C44

**Deuteranopia**  
977647



**Tritanopia**  
897781

# Trichromacy



**Original Color**  
837E45

**Protanomaly**  
867D44

**Deuteranomaly**  
907946

**Tritanomaly**  
877A6B

# Monochromacy



**Original Color**  
837E45

**Achromatopsia**  
797979

**Achromatomaly**  
7D7B66

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 837E45 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 #837E45 looks like.

```
.text, #text, p{  
    color:#837E45  
}
```

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 #837E45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #837E45
}
```

## Border

The CSS property to change the border of an element to Hex 837E45 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
#837E45 }
```

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

```
.border{ border-color:#837E45 }
```

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

Here you see how a box with a 4 pixel #837E45 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #837E45; -webkit-box-shadow:4px 4px  
4px 4px #837E45; box-shadow:4px 4px 4px  
4px #837E45 }
```

# Background

The CSS property to change the background color of an element to Hex 837E45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#837E45 }
```

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

```
.background{ background-color:#837E45 }
```

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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