

# Converting Colors

Hex(87713E)

Have a look what the booklet for  
Hex(87713E) contains.

<b>Hex(87713E)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(87713E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87713E
RGB	135, 113, 62
RGB Percent	53%, 44%, 24%
CMY	0.4706, 0.5569, 0.7569
CMYK	0.00, 0.16, 0.54, 0.47
HSL	42°, 37%, 39%
HSV	42°, 54%, 53%
XYZ	16.7663, 17.3090, 7.0147
YIQ	113.7640, 29.4830, -11.1970

# Conversions

## Conversions Part 2

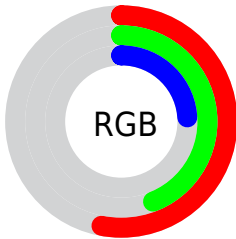
<b>Format</b>	<b>Color</b>
<b>RYB</b>	93, 135, 62
Decimal	8876350
CIELab	48.65, 1.77, 31.28
CIELCh	49, 31.334, 86.770
Yxy	17.3090, 0.4080, 0.4212
Android (android.graphics.Color)	4287066430 (0xFF87713E)
YUV	113.7640, -25.5197, 18.6240
Hunter-Lab	41.6040, -0.8721, 19.1261

# Details

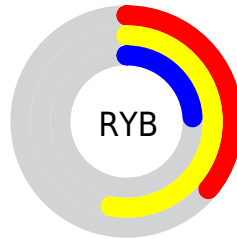
The Hex color **87713E** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **3E5487**, and the grayscale version is **727272**.

A 20% lighter version of the original color is **BEA56F**, and **534110** is the 20% darker color. If you saturate the color by 10%, you get **876D31**, and if you desaturate by 10%, it is **87754C**.

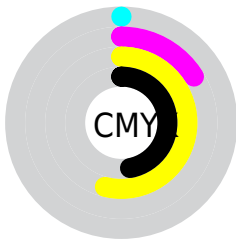
# Distribution



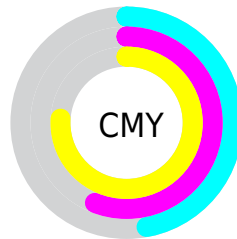
- Red (53%)
- Green (44%)
- Blue (24%)



- Red (36%)
- Yellow (53%)
- Blue (24%)



- Cyan (0%)
- Magenta (16%)
- Yellow (54%)
- Black (47%)



- Cyan (47%)
- Magenta (56%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87713E 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 87713E by changing the saturation by 10% instead.





87713E



87713E

FFFFFF



6D5927



BEA56F



534110



DAC089



3B2B00



F7DBA3



221700



FFF8BE



000000



FFFFDA



FFFFF7



87713E



87713E



876D31



87754C

■ 876923

■ 877959

■ 876515

■ 877D67

■ 876108

■ 878174

■ 875E00

■ 878582

■ 87898F

■ 878D9C

■ 8792AA

■ 8796B8

# Harmonies

## Analogous

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



9B6848



87713E



6C7943

# Triad

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



87713E



00818B



926491

# Complementary

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



87713E



3E5487

# 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.



726EA3



87713E



007E9F

# Square

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



87713E



248170



4577A8



A45F77

# Rectangle

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



87713E



587D4E



4577A8



896798



# Sweetspot

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



87713E



B0A794



873E55



595448



D9D9D9



595959



# Same Dimension

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



87713E



B08D3E



7A873E



42403C



825B00



030200



# Inverse Universe

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



3E5487



3E60B0



4B3E87



3C3E42



002782



000103



# Previews

## White Background



This preview shows how the Hex color 87713E looks on a white background.

## Color Contrast Check

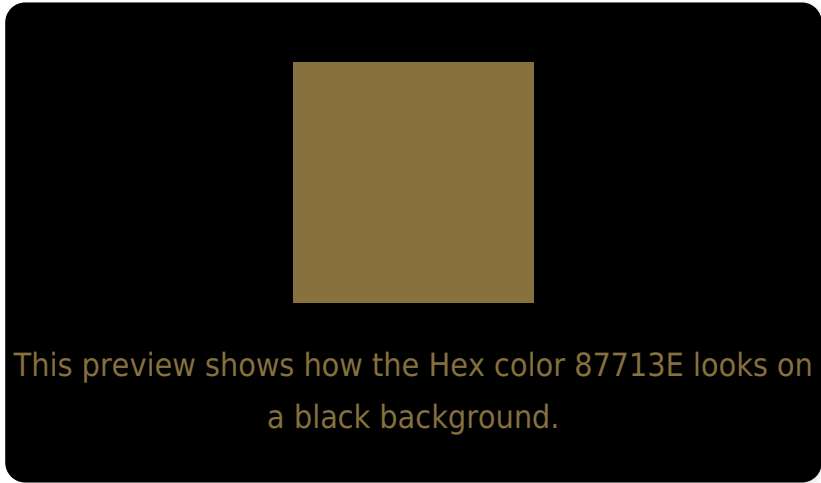
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

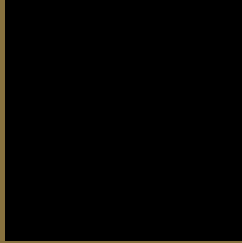
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 87713E Background



This preview shows how black text looks on a background with the Hex color 87713E.



This preview shows how white text looks on a background with the Hex color 87713E.

# 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**  
87713E

**Protanopia**  
7F743F

**Deuteranopia**  
8E6E3F



**Tritanopia**  
8C6B73

# Trichromacy



**Original Color**  
87713E

**Protanomaly**  
82733F

**Deuteranomaly**  
8B6F3F

**Tritanomaly**  
8A6D60

# Monochromacy



**Original Color**  
87713E

**Achromatopsia**  
727272

**Achromatomaly**  
7A725F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87713E 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 #87713E looks like.

```
.text, #text, p{  
    color:#87713E  
}
```

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 #87713E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87713E
}
```

## Border

The CSS property to change the border of an element to Hex 87713E 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
#87713E }
```

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

```
.border{ border-color:#87713E }
```

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

Here you see how a box with a 4 pixel #87713E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87713E; -webkit-box-shadow:4px 4px  
4px 4px #87713E; box-shadow:4px 4px 4px  
4px #87713E }
```

# Background

The CSS property to change the background color of an element to Hex 87713E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87713E }
```

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

```
.background{ background-color:#87713E }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor