

# Converting Colors

Hex(876D3E)

Have a look what the booklet for  
Hex(876D3E) contains.

|  |    |
|--|----|
| <b>Hex(876D3E)</b> .....                       | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 11 |
| <i><b>Previews</b></i> .....                   | 23 |
| <i><b>Color Blindness Simulation</b></i> ..... | 26 |
| <i><b>CSS Examples</b></i> .....               | 29 |

**Color**

**Hex(876D3E)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | 876D3E                     |
| RGB           | 135, 109, 62               |
| RGB Percent   | 53%, 43%, 24%              |
| CMY           | 0.4706, 0.5725, 0.7569     |
| CMYK          | 0.00, 0.19, 0.54, 0.47     |
| HSL           | 39°, 37%, 39%              |
| HSV           | 39°, 54%, 53%              |
| XYZ           | 16.3298, 16.4360, 6.8692   |
| YIQ           | 111.4160, 30.5830, -9.1050 |

# Conversions

## Conversions Part 2

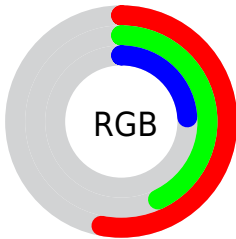
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 102, 135, 62                   |
| Decimal                             | 8875326                        |
| CIE <sub>Lab</sub>                  | 47.54, 4.08, 29.94             |
| CIE <sub>LCh</sub>                  | 48, 30.212, 82.246             |
| Yxy                                 | 16.4360, 0.4120,<br>0.4147     |
| Android<br>(android.graphics.Color) | 4287065406<br>(0xFF876D3E)     |
| YUV                                 | 111.4160, -24.3621,<br>20.6832 |
| Hunter-Lab                          | 40.5413, 0.9515,<br>18.3330    |

# Details

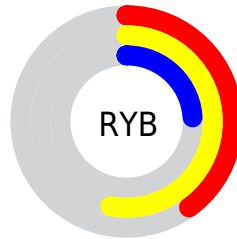
The Hex color **876D3E** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **3E5887**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **BEA06F**, and **533E11** is the 20% darker color. If you saturate the color by 10%, you get **876831**, and if you desaturate by 10%, it is **87724C**.

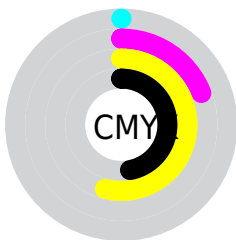
# Distribution



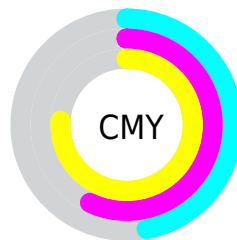
- Red (53%)
- Green (43%)
- Blue (24%)



- Red (40%)
- Yellow (53%)
- Blue (24%)



- Cyan (0%)
- Magenta (19%)
- Yellow (54%)
- Black (47%)



- Cyan (47%)
- Magenta (57%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 876D3E 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 876D3E by changing the saturation by 10% instead.



 876D3E

 876D3E

FFFFFF

 6D5527

 BEA06F

 533E11

 DBBB88

 3B2800

 F8D7A3

 221400

 FFF3BE

 000000

 FFFFDA

 FFFFF7

 876D3E

 876D3E

 876831

 87724C

■ 876323

■ 877759

■ 875F15

■ 877B67

■ 875A08

■ 878074

■ 875700

■ 878582

■ 878A8F

■ 878F9C

■ 8793AA

■ 8798B8

# Harmonies

## Analogous

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



996449



876D3E



6E7541

# Triad

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



876D3E



007E83



8A6390

# Complementary

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



876D3E



3E5887

# 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.



6A6DA0



876D3E



007B98

# Square

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



876D3E



2C7E69



3D75A3



9D5D78

# Rectangle

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



876D3E



5B794A



3D75A3



816697



# Sweetspot

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



876D3E



B0A694



873E59



595348



D9D9D9



595959



# Same Dimension

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



876D3E



B0873E



7D873E



42403C



825400



030200



# Inverse Universe

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



3E5887



3E66B0



483E87



3C3E42



002E82



000103



# Previews

## White Background



This preview shows how the Hex color 876D3E looks on a white background.

## Color Contrast Check

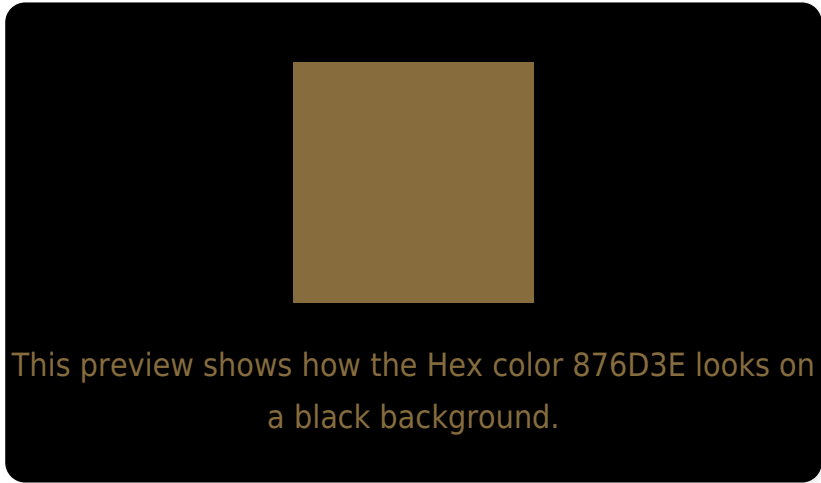
Large Text (above 18pt) WCAG AA ✓ Pass

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

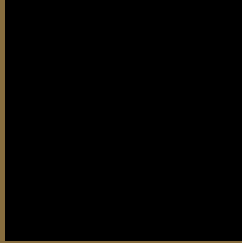
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 876D3E Background



This preview shows how black text looks on a background with the Hex color 876D3E.



This preview shows how white text looks on a background with the Hex color 876D3E.

# 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](#).

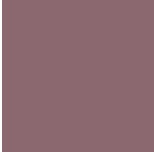
## Dichromacy



**Original Color**  
876D3E

**Protanopia**  
7C713F

**Deuteranopia**  
8A6C3E



**Tritanopia**  
8B676F

# Trichromacy



**Original Color**  
876D3E

**Protanomaly**  
80703F

**Deuteranomaly**  
896C3E

**Tritanomaly**  
8A695D

# Monochromacy



**Original Color**  
876D3E

**Achromatopsia**  
6F6F6F

**Achromatomaly**  
786E5D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 876D3E 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 #876D3E looks like.

```
.text, #text, p{  
    color:#876D3E  
}
```

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 #876D3E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #876D3E
}
```

## Border

The CSS property to change the border of an element to Hex 876D3E 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
#876D3E }
```

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

```
.border{ border-color:#876D3E }
```

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

Here you see how a box with a 4 pixel #876D3E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #876D3E; -webkit-box-shadow:4px 4px  
4px 4px #876D3E; box-shadow:4px 4px 4px  
4px #876D3E }
```

# Background

The CSS property to change the background color of an element to Hex 876D3E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#876D3E }
```

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

```
.background{ background-color:#876D3E }
```

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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