

# Converting Colors

Hex(87413F)

Have a look what the booklet for  
Hex(87413F) contains.

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**Color**

**Hex(87413F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	87413F
RGB	135, 65, 63
RGB Percent	53%, 25%, 25%
CMY	0.4706, 0.7451, 0.7529
CMYK	0.00, 0.52, 0.53, 0.47
HSL	2°, 36%, 39%
HSV	2°, 53%, 53%
XYZ	12.7792, 9.2904, 5.8223
YIQ	85.7020, 42.3620, 14.2180

# Conversions

## Conversions Part 2

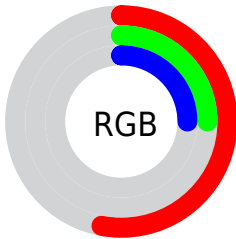
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 65, 63
Decimal	8864063
CIE Lab	36.54, 29.69, 15.23
CIE LCh	37, 33.373, 27.158
Yxy	9.2904, 0.4582, 0.3331
Android (android.graphics.Color)	4287054143 (0xFF87413F)
YUV	85.7020, -11.1921, 43.2343
Hunter-Lab	30.4801, 21.4982, 10.0105

# Details

The Hex color **87413F** is a dark color, and the websafe version is hex **663333**, and the color name is **brandy**. A complement of this color would be **3F8587**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **BF736F**, and **511115** is the 20% darker color. If you saturate the color by 10%, you get **873432**, and if you desaturate by 10%, it is **874E4D**.

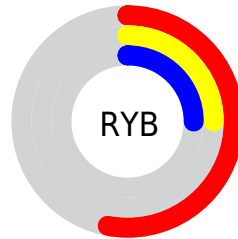
# Distribution



Red (53%)

Green (25%)

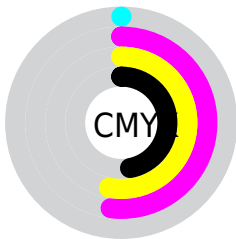
Blue (25%)



Red (53%)

Yellow (25%)

Blue (25%)

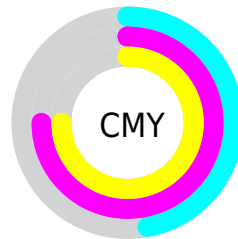


Cyan (0%)

Magenta (52%)

Yellow (53%)

Black (47%)



Cyan (47%)

Magenta (75%)

Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87413F 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 87413F by changing the saturation by 10% instead.



 87413F

 87413F

FFFFFF

 6C2929

 BF736F

 511115

 DC8D88

 380000

 FAA8A2

 1C0001

 FFC3BD

 000000

 FFDFD9

 FFFCF5

 87413F

 87413F

 873432

 874E4D

872724

875B5A

871A16

876868

870C09

877675

870400

878383

879090

879D9D

87AAAB

87B7B9

# Harmonies

## Analogous

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



853F5A



87413F



7C4A29

# Triad

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



87413F



2B6138



165A8B

# Complementary

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



87413F



3F8587

# 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.



006082



87413F



006352

# Square

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



87413F



4D5C24



00636E



535086

# Rectangle

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



87413F



6F5020



00636E



005C8A



# Sweetspot

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



87413F



B09594



873F86



594948



D9D9D9



595959



# Same Dimension

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



87413F



B0423F



87643F



423C3C



820400



030000



# Inverse Universe

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



3F8587



3FADB0



3F6287



3C4242



007E82

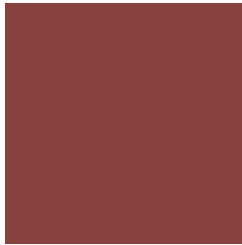


000203



# Previews

## White Background



This preview shows how the Hex color 87413F looks on a white background.

## Color Contrast Check

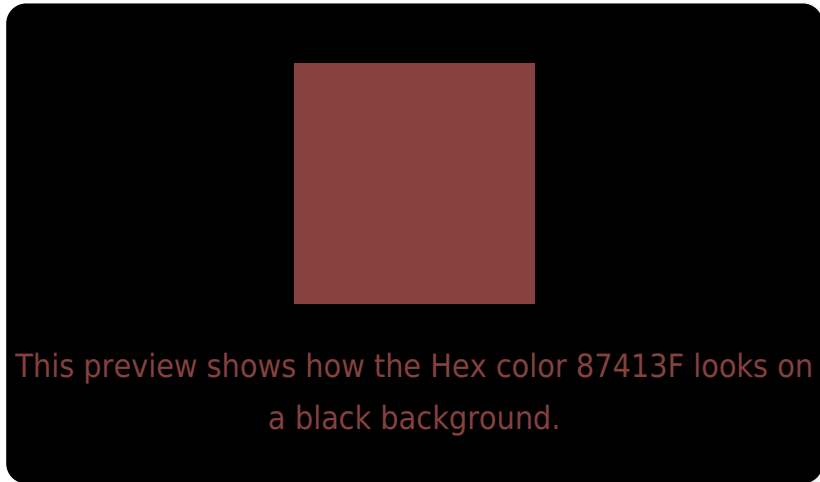
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

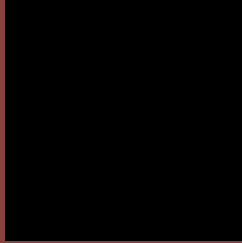
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 87413F Background



This preview shows how black text looks on a background with the Hex color 87413F.

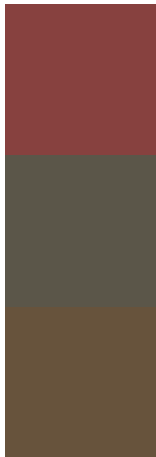


This preview shows how white text looks on a background with the Hex color 87413F.

# 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**  
87413F

**Protanopia**  
5B5649

**Deuteranopia**  
67533C



**Tritanopia**  
874045

# Trichromacy



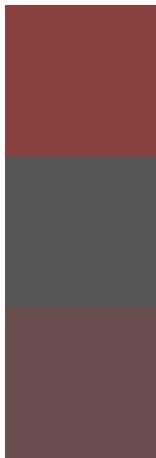
**Original Color**  
87413F

**Protanomaly**  
6B4E45

**Deuteranomaly**  
734C3D

**Tritanomaly**  
874043

# Monochromacy



**Original Color**  
87413F

**Achromatopsia**  
565656

**Achromatomaly**  
684E4E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87413F 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 #87413F looks like.

```
.text, #text, p{  
    color:#87413F  
}
```

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 #87413F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87413F
}
```

## Border

The CSS property to change the border of an element to Hex 87413F is called "border". The border property can be set on classes, ids or directly on the HTML element.

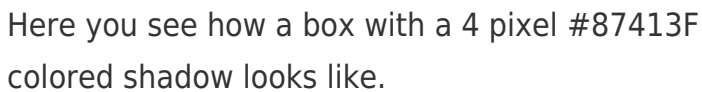
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#87413F }
```

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

```
.border{ border-color:#87413F }
```

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



Here you see how a box with a 4 pixel #87413F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87413F; -webkit-box-shadow:4px 4px  
4px 4px #87413F; box-shadow:4px 4px 4px  
4px #87413F }
```

# Background

The CSS property to change the background color of an element to Hex 87413F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87413F }
```

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

```
.background{ background-color:#87413F }
```

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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