

# Converting Colors

Hex(870E0E)

Have a look what the booklet for  
Hex(870E0E) contains.

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# Color

**Hex(870E0E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	870E0E
RGB	135, 14, 14
RGB Percent	53%, 5%, 5%
CMY	0.4706, 0.9451, 0.9451
CMYK	0.00, 0.90, 0.90, 0.47
HSL	0°, 81%, 29%
HSV	0°, 90%, 53%
XYZ	10.2280, 5.4967, 0.9374
YIQ	50.1790, 72.1160, 25.6520

# Conversions

## Conversions Part 2

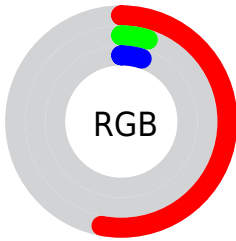
Format	Color
<a href="#">RYB</a>	<a href="#">135, 14, 14</a>
Decimal	<a href="#">8850958</a>
CIELab	<a href="#">28.11, 47.71, 35.05</a>
CIElCh	<a href="#">28, 59.204, 36.301</a>
Yxy	<a href="#">5.4967, 0.6139, 0.3299</a>
Android (android.graphics.Color)	<a href="#">4287041038 (0xFF870E0E)</a>
YUV	<a href="#">50.1790, -17.8362, 74.3880</a>
Hunter-Lab	<a href="#">23.4450, 36.8426, 14.0410</a>

# Details

The Hex color **870E0E** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **0E8787**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **C44A3A**, and **4C0000** is the 20% darker color. If you saturate the color by 10%, you get **870101**, and if you desaturate by 10%, it is **871C1C**.

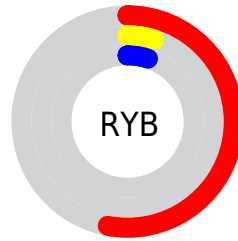
# Distribution



Red (53%)

Green (5%)

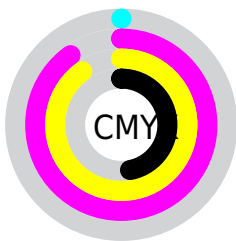
Blue (5%)



Red (53%)

Yellow (5%)

Blue (5%)

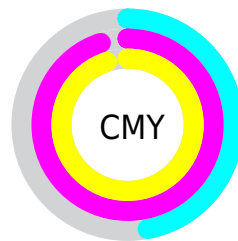


Cyan (0%)

Magenta (90%)

Yellow (90%)

Black (47%)



Cyan (47%)

Magenta (95%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 870E0E 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 870E0E by changing the saturation by 10% instead.



 870E0E

 870E0E

 FFFFF0

 6A0000

 C44A3A

 4C0000

 E36551

 320002

 FF7F6A

 000000

 FF9B83

 FFB79D

 FFD3B8

 FFF0D4

 870E0E

 870E0E

■ 870101

■ 871C1C

■ 870000

■ 872929

■ 873737

■ 874444

■ 875252

■ 875F5F

■ 876D6D

■ 877A7A

■ 878888

# Harmonies

## Analogous

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



8F003B



870E0E



6E3100

# Triad

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



870E0E



00521A



00469F

# Complementary

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



870E0E



0E8787

# 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.



005197



870E0E



00544B

# Square

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



870E0E



144E00



005478



4A308D

# Rectangle

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



870E0E



573F00



005478



004A9F



# Sweetspot

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



870E0E



B08080



870E87



593D3D



D9D9D9



595959



# Same Dimension

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



870E0E



B00000



874B0E



423C3C



820000



030000



# Inverse Universe

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



0E8787



00B0B0



0E4B87



3C4242



008282



000303



# Previews

## White Background



This preview shows how the Hex color 870E0E 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 870E0E Background



This preview shows how black text looks on a background with the Hex color 870E0E.



This preview shows how white text looks on a background with the Hex color 870E0E.

# 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**  
870E0E

**Protanopia**  
4D4519

**Deuteranopia**  
574100



# Trichromacy



**Original Color**  
870E0E

**Protanomaly**  
623115

**Deuteranomaly**  
682E05

**Tritanomaly**  
870F0B

# Monochromacy



**Original Color**  
870E0E

**Achromatopsia**  
323232

**Achromatomaly**  
512525

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 870E0E 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 #870E0E looks like.

```
.text, #text, p{  
    color:#870E0E  
}
```

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 #870E0E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #870E0E
}
```

## Border

The CSS property to change the border of an element to Hex 870E0E is called "border". The border property can be set on classes, ids or directly on the HTML element.

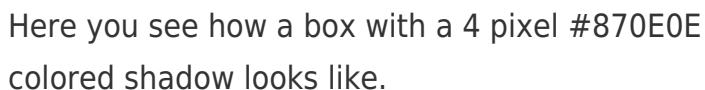
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#870E0E }
```

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

```
.border{ border-color:#870E0E }
```

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



Here you see how a box with a 4 pixel #870E0E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #870E0E; -webkit-box-shadow:4px 4px  
4px 4px #870E0E; box-shadow:4px 4px 4px  
4px #870E0E }
```

# Background

The CSS property to change the background color of an element to Hex 870E0E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#870E0E }
```

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

```
.background{ background-color:#870E0E }
```

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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