

# Converting Colors

Hex(870F16)

Have a look what the booklet for  
Hex(870F16) contains.

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# Color

**Hex(870F16)**

# Conversions

## Conversions Part 1

Format	Color
Hex	870F16
RGB	135, 15, 22
RGB Percent	53%, 6%, 9%
CMY	0.4706, 0.9412, 0.9137
CMYK	0.00, 0.89, 0.84, 0.47
HSL	356°, 80%, 29%
HSV	356°, 89%, 53%
XYZ	10.3073, 5.5505, 1.2871
YIQ	51.6780, 69.2730, 27.6170

# Conversions

## Conversions Part 2

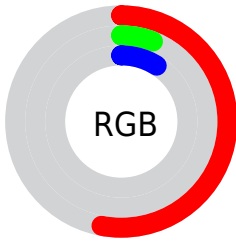
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 15, 22
Decimal	8851222
CIELab	28.25, 47.71, 30.73
CIElCh	28, 56.750, 32.787
Yxy	5.5505, 0.6012, 0.3237
Android (android.graphics.Color)	4287041302 (0xFF870F16)
YUV	51.6780, -14.6313, 73.0734
Hunter-Lab	23.5594, 36.8652, 13.2524

# Details

The Hex color **870F16** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **0F8780**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **C34B41**, and **4C0000** is the 20% darker color. If you saturate the color by 10%, you get **870209**, and if you desaturate by 10%, it is **871D23**.

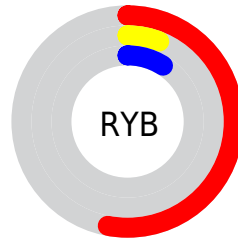
# Distribution



Red (53%)

Green (6%)

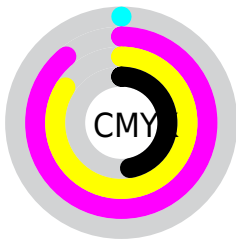
Blue (9%)



Red (53%)

Yellow (6%)

Blue (9%)

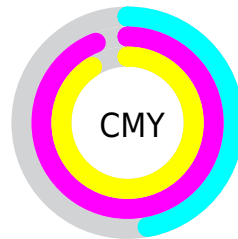


Cyan (0%)

Magenta (89%)

Yellow (84%)

Black (47%)



Cyan (47%)

Magenta (94%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 870F16 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 870F16 by changing the saturation by 10% instead.



 870F16

 870F16

 FFFFF9

 6A0000


 C34B41

 4C0000

 E26559

 320002

 FF8072

 000000

 FF9B8B

 FFB7A6

 FFD4C1

 FFF1DD

 870F16

 870F16

■ 870209

■ 871D23

■ 870008

■ 872A2F

■ 87383C

■ 874549

■ 875356

■ 876062

■ 876E6F

■ 877B7C

■ 878988

# Harmonies

## Analogous

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



8C0041



870F16



713000

# Triad

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



870F16



005216



00489B

# Complementary

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



870F16



0F8780

# 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.



005191



870F16



005446

# Square

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



870F16



214D00



005471



41348D

# Rectangle

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



870F16



5B3D00



005471



004C9B



# Sweetspot

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



870F16



B08083



7F0F87



593D3E



D9D9D9



595959



# Same Dimension

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



870F16



B0000A



87430F



423C3C



820008



030000



# Inverse Universe

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



870F16



B0000A



0F5387



423C3C



820008



030000



# Previews

## White Background



This preview shows how the Hex color 870F16 looks on a white background.

## Color Contrast Check

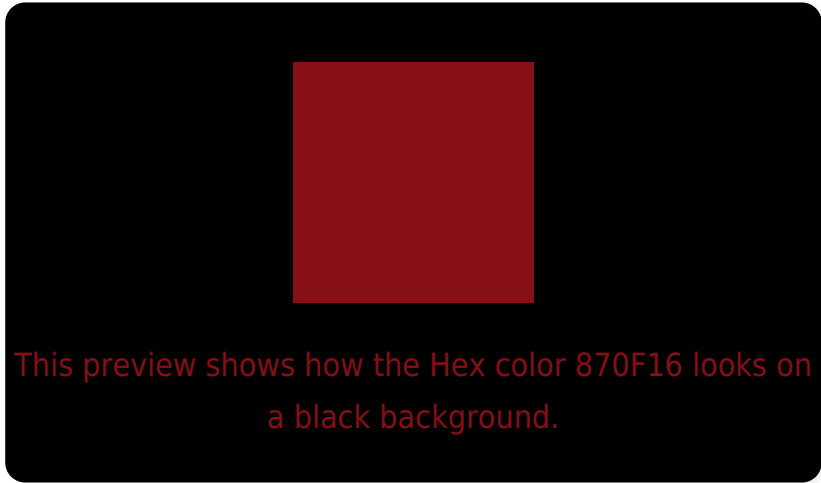
Large Text (above 18pt) WCAG AA ✓ Pass

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 870F16 Background



This preview shows how black text looks on a background with the Hex color 870F16.



This preview shows how white text looks on a background with the Hex color 870F16.

# 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**  
870F16

**Protanopia**  
4C4523

**Deuteranopia**  
574106



**Tritanopia**  
87110D

# Trichromacy



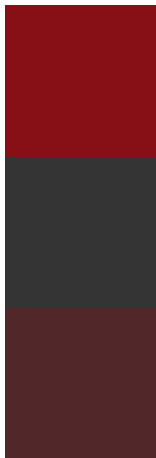
**Original Color**  
870F16

**Protanomaly**  
61311E

**Deuteranomaly**  
682F0C

**Tritanomaly**  
871010

# Monochromacy



**Original Color**  
870F16

**Achromatopsia**  
343434

**Achromatomaly**  
522729

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 870F16 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 #870F16 looks like.

```
.text, #text, p{  
    color:#870F16  
}
```

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 #870F16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #870F16
}
```

## Border

The CSS property to change the border of an element to Hex 870F16 is called "border". The border property can be set on classes, ids or directly on the HTML element.

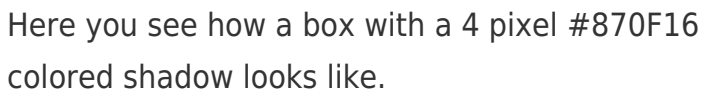
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#870F16 }
```

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

```
.border{ border-color:#870F16 }
```

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



Here you see how a box with a 4 pixel #870F16 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #870F16; -webkit-box-shadow:4px 4px  
4px 4px #870F16; box-shadow:4px 4px 4px  
4px #870F16 }
```

# Background

The CSS property to change the background color of an element to Hex 870F16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#870F16 }
```

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

```
.background{ background-color:#870F16 }
```

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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