

# Converting Colors

Hex(871A16)

Have a look what the booklet for  
Hex(871A16) contains.

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**Color**

**Hex(871A16)**

# Conversions

## Conversions Part 1

Format	Color
Hex	871A16
RGB	135, 26, 22
RGB Percent	53%, 10%, 9%
CMY	0.4706, 0.8980, 0.9137
CMYK	0.00, 0.81, 0.84, 0.47
HSL	2°, 72%, 31%
HSV	2°, 84%, 53%
XYZ	10.5059, 5.9476, 1.3533
YIQ	58.1350, 66.2480, 21.8640

# Conversions

## Conversions Part 2

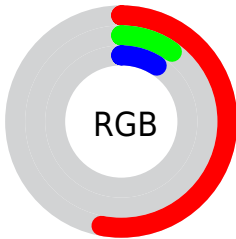
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 26, 22
Decimal	8854038
CIE <sub>Lab</sub>	29.28, 44.79, 31.74
CIE <sub>LCh</sub>	29, 54.893, 35.326
Yxy	5.9476, 0.5900, 0.3340
Android (android.graphics.Color)	4287044118 (0xFF871A16)
YUV	58.1350, -17.8146, 67.4106
Hunter-Lab	24.3877, 34.2167, 13.7813

# Details

The Hex color **871A16** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **168387**, and the grayscale version is **3A3A3A**.

A 20% lighter version of the original color is **C35142**, and **4D0000** is the 20% darker color. If you saturate the color by 10%, you get **870D09**, and if you desaturate by 10%, it is **872724**.

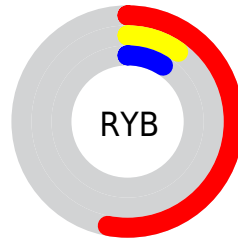
# Distribution



Red (53%)

Green (10%)

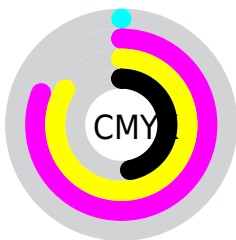
Blue (9%)



Red (53%)

Yellow (10%)

Blue (9%)

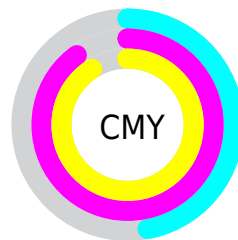


Cyan (0%)

Magenta (81%)

Yellow (84%)

Black (47%)



Cyan (47%)

Magenta (90%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 871A16 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 871A16 by changing the saturation by 10% instead.



 871A16

 871A16

 FFFFFA

 6A0000

 C35142

 4D0000

 E16B5A

 330002

 FF8672

 000000

 FFA18C

 FFBDA6

 FFD9C2

 FFF6DE

 871A16

 871A16

■ 870D09

■ 872724

■ 870500

■ 873431

■ 87413F

■ 874E4C

■ 875B5A

■ 876867

■ 877575

■ 878282

■ 878F90

# Harmonies

## Analogous

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



8D003F



871A16



713500

# Triad

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



871A16



00551E



00489B

# Complementary

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



871A16



168387

# 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.



005393



871A16



00574C

# Square

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



871A16



205000



005676



4B358B

# Rectangle

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



871A16



5B4100



005676



004D9B



# Sweetspot

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



871A16



B08684



871683



593F3E



D9D9D9



595959



# Same Dimension

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



871A16



B00600



875216



423C3C



820500



030000



# Inverse Universe

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



168387



00AAB0



164B87



3C4242



007D82



000203



# Previews

## White Background



This preview shows how the Hex color 871A16 looks on a white background.

## Color Contrast Check

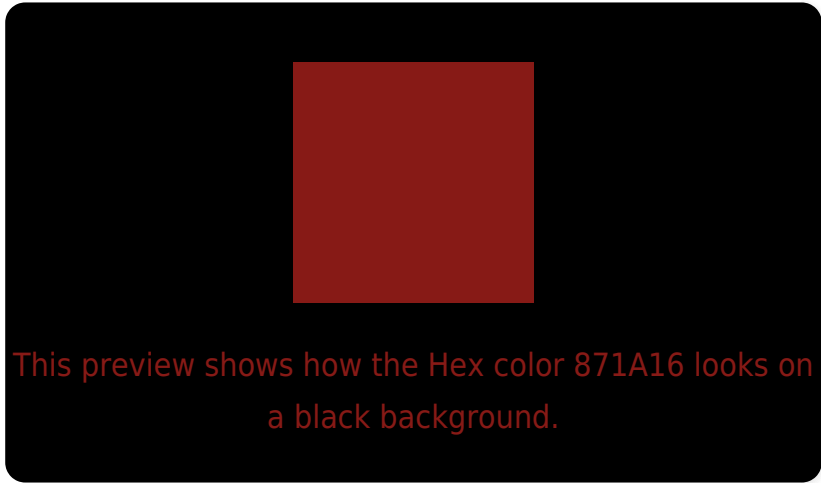
Large Text (above 18pt) WCAG AA ✓ Pass

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 871A16 Background



This preview shows how black text looks on a background with the Hex color 871A16.



This preview shows how white text looks on a background with the Hex color 871A16.

# 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**  
871A16

**Protanopia**  
4F4721

**Deuteranopia**  
5A4307



**Tritanopia**  
871A19

# Trichromacy



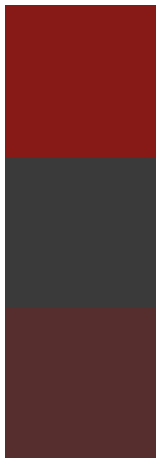
**Original Color**  
871A16

**Protanomaly**  
63371D

**Deuteranomaly**  
6A340C

**Tritanomaly**  
871A18

# Monochromacy



**Original Color**  
871A16

**Achromatopsia**  
3A3A3A

**Achromatomaly**  
562E2D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 871A16 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 #871A16 looks like.

```
.text, #text, p{  
    color:#871A16  
}
```

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 #871A16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #871A16
}
```

## Border

The CSS property to change the border of an element to Hex 871A16 is called "border". The border property can be set on classes, ids or directly on the HTML element.

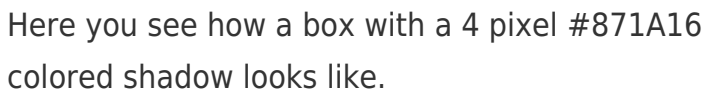
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#871A16 }
```

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

```
.border{ border-color:#871A16 }
```

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



Here you see how a box with a 4 pixel #871A16 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #871A16; -webkit-box-shadow:4px 4px  
4px 4px #871A16; box-shadow:4px 4px 4px  
4px #871A16 }
```

# Background

The CSS property to change the background color of an element to Hex 871A16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#871A16 }
```

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

```
.background{ background-color:#871A16 }
```

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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