

# Converting Colors

Hex(872A17)

Have a look what the booklet for  
Hex(872A17) contains.

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**Color**

**Hex(872A17)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	872A17
RGB	135, 42, 23
RGB Percent	53%, 16%, 9%
CMY	0.4706, 0.8353, 0.9098
CMYK	0.00, 0.69, 0.83, 0.47
HSL	10°, 71%, 31%
HSV	10°, 83%, 53%
XYZ	10.9743, 6.8687, 1.5580
YIQ	67.6410, 61.5270, 13.8070

# Conversions

## Conversions Part 2

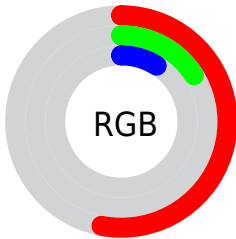
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 46, 23
Decimal	8858135
CIE Lab	31.51, 38.70, 33.35
CIE LCh	32, 51.092, 40.752
Yxy	6.8687, 0.5657, 0.3540
Android (android.graphics.Color)	4287048215 (0xFF872A17)
YUV	67.6410, -22.0080, 59.0738
Hunter-Lab	26.2082, 28.8799, 14.8211

# Details

The Hex color **872A17** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **177487**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **C25D44**, and **4E0000** is the 20% darker color. If you saturate the color by 10%, you get **871F0A**, and if you desaturate by 10%, it is **873525**.

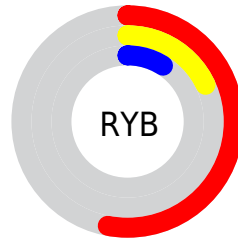
# Distribution



Red (53%)

Green (16%)

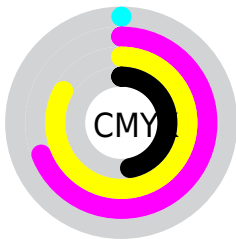
Blue (9%)



Red (53%)

Yellow (18%)

Blue (9%)

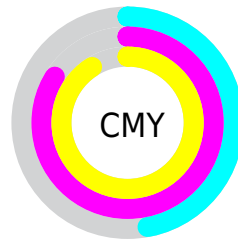


Cyan (0%)

Magenta (69%)

Yellow (83%)

Black (47%)



Cyan (47%)

Magenta (84%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 872A17 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 872A17 by changing the saturation by 10% instead.



 872A17

 872A17

FFFFFFD

 6A0E00

 C25D44

 4E0000

 E1775C

 340001

 FF9175

 050000

 FFAD8E

 000000

 FFC8A9

 FFE5C4

 FFFFEO

 872A17

 872A17

■ 871F0A

■ 873525

■ 871700

■ 874032

■ 874C3F

■ 87574D

■ 87625B

■ 876D68

■ 877876

■ 878483

■ 878F91

# Harmonies

## Analogous

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



90183E



872A17



6F3E00

# Triad

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



872A17



005A2E



004A9A

# Complementary

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



872A17



177487

# 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.



005696



872A17



005C58

# Square

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



872A17



1E5600



005B7E



5C3887

# Rectangle

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



872A17



5A4900



005B7E



004F9B



# Sweetspot

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



872A17



B08B84



871774



59433E



D9D9D9



595959



# Same Dimension

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



872A17



B01E00



876217



423D3C



821600



030000



# Inverse Universe

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



177487



0092B0



173C87



3C4142



006C82



000203



# Previews

## White Background



This preview shows how the Hex color 872A17 looks on a white background.

## Color Contrast Check

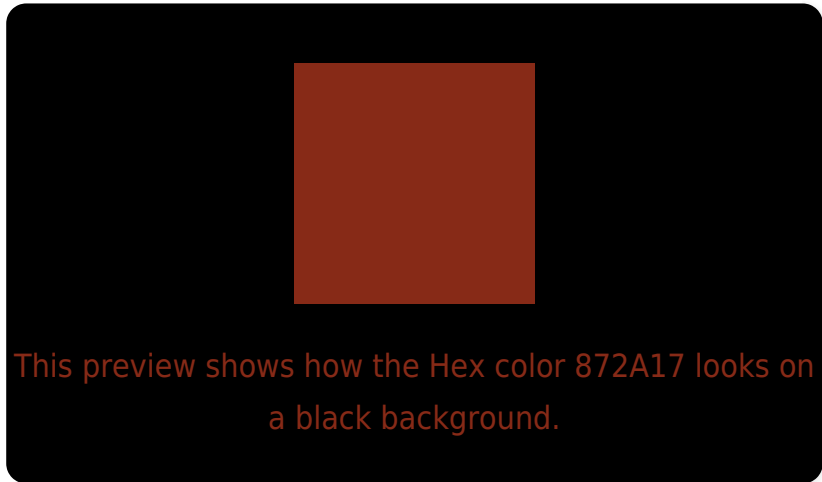
Large Text (above 18pt) WCAG AA ✓ Pass

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 872A17 Background



This preview shows how black text looks on a background with the Hex color 872A17.



This preview shows how white text looks on a background with the Hex color 872A17.

# 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**  
872A17

**Protanopia**  
544B20

**Deuteranopia**  
5F470C



**Tritanopia**  
88282A

# Trichromacy



**Original Color**  
872A17

**Protanomaly**  
673F1D

**Deuteranomaly**  
6E3C10

**Tritanomaly**  
882923

# Monochromacy



**Original Color**  
872A17

**Achromatopsia**  
444444

**Achromatomaly**  
5C3B34

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 872A17 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 #872A17 looks like.

```
.text, #text, p{  
    color:#872A17  
}
```

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 #872A17 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #872A17
}
```

## Border

The CSS property to change the border of an element to Hex 872A17 is called "border". The border property can be set on classes, ids or directly on the HTML element.

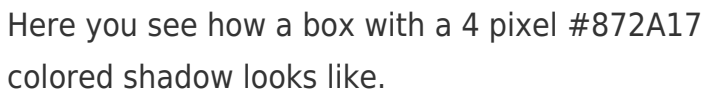
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#872A17 }
```

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

```
.border{ border-color:#872A17 }
```

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



Here you see how a box with a 4 pixel #872A17 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #872A17; -webkit-box-shadow:4px 4px  
4px 4px #872A17; box-shadow:4px 4px 4px  
4px #872A17 }
```

# Background

The CSS property to change the background color of an element to Hex 872A17 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#872A17 }
```

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

```
.background{ background-color:#872A17 }
```

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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