

# Converting Colors

Hex(815700)

Have a look what the booklet for  
Hex(815700) contains.

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**Color**

**Hex(815700)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	815700
RGB	129, 87, 0
RGB Percent	51%, 34%, 0%
CMY	0.4941, 0.6588, 1.0000
CMYK	0.00, 0.33, 1.00, 0.49
HSL	40°, 100%, 25%
HSV	40°, 100%, 51%
XYZ	12.4615, 11.4835, 1.5598
YIQ	89.6400, 52.9590, -18.1530

# Conversions

## Conversions Part 2

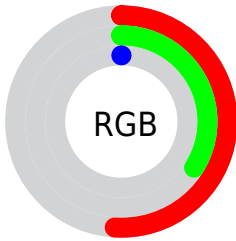
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 129, 0
Decimal	8476416
CIELab	40.38, 10.98, 48.64
CIElCh	40, 49.863, 77.283
Yxy	11.4835, 0.4886, 0.4503
Android (android.graphics.Color)	4286666496 (0xFF815700)
YUV	89.6400, -44.1925, 34.5187
Hunter-Lab	33.8873, 6.3373, 20.9922

# Details

The Hex color **815700** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **002A81**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **BA8939**, and **4A2A00** is the 20% darker color. If you saturate the color by 10%, you get **815700**, and if you desaturate by 10%, it is **815B0D**.

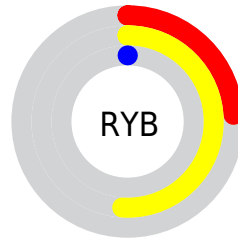
# Distribution



Red (51%)

Green (34%)

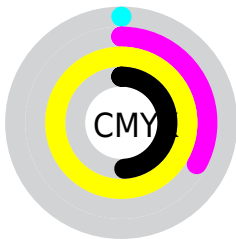
Blue (0%)



Red (24%)

Yellow (51%)

Blue (0%)

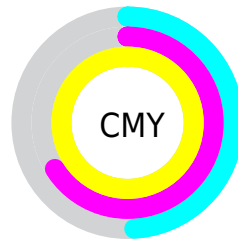


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (49%)



Cyan (49%)

Magenta (66%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 815700 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 815700 by changing the saturation by 10% instead.



 815700

 815700

 FFFFF6

 664000

 BA8939

 4A2A00

 D8A352

 301600

 F6BE6C

 180000


 FFDA86

 000000


 FFF6A1


 FFFFBD


 FFFFD9


 815700

 815B0D

 815F1A


 816427

 816834

 816C41

 81704D

 81745A

 817967

 817D74

# Harmonies

## Analogous

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



9C4524



815700



5C6400

# Triad

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



815700



007276



7E4997

# Complementary

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



815700



002A81

# 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.



385CAE



815700



00709A

# Square

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



815700



00714C



0069AF



9F3872

# Rectangle

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



815700



3E6A16



0069AF



6D50A1



# Sweetspot

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



815700



A89876



81002B



544A36



D4D4D4



545454



# Same Dimension

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



815700



A87200



6B8100



403E39



805600



000000



# Inverse Universe

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



002A81



0037A8



150081



393B40



002A80

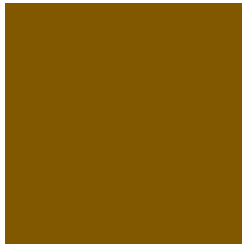


000000



# Previews

## White Background



This preview shows how the Hex color 815700 looks on a white background.

## Color Contrast Check

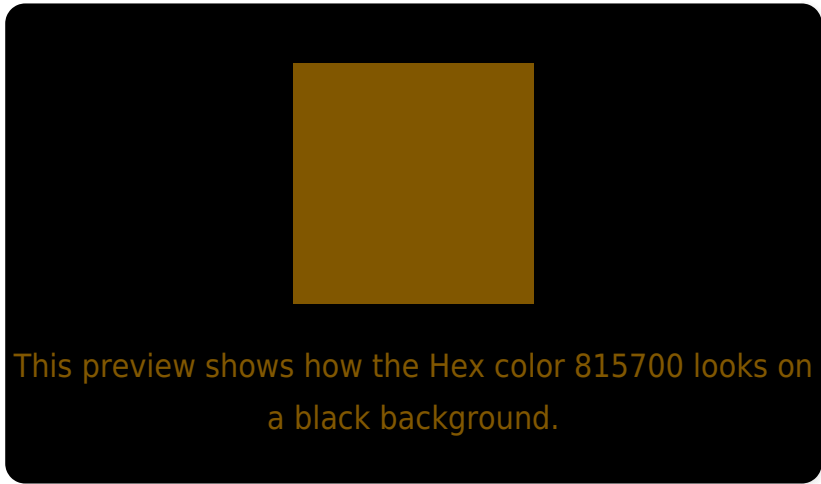
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 815700 Background



This preview shows how black text looks on a background with the Hex color 815700.



This preview shows how white text looks on a background with the Hex color 815700.

# 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**  
815700

**Protanopia**  
6C6009

**Deuteranopia**  
795B00



**Tritanopia**  
855157

# Trichromacy



**Original Color**  
815700

**Protanomaly**  
745D06

**Deuteranomaly**  
7C5A00

**Tritanomaly**  
845337

# Monochromacy



**Original Color**  
815700

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
685939

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 815700 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 #815700 looks like.

```
.text, #text, p{  
    color:#815700  
}
```

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 #815700 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #815700
}
```

## Border

The CSS property to change the border of an element to Hex 815700 is called "border". The border property can be set on classes, ids or directly on the HTML element.

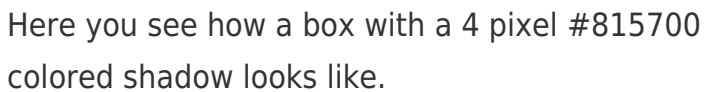
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#815700 }
```

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

```
.border{ border-color:#815700 }
```

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



Here you see how a box with a 4 pixel #815700 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #815700; -webkit-box-shadow:4px 4px  
4px 4px #815700; box-shadow:4px 4px 4px  
4px #815700 }
```

# Background

The CSS property to change the background color of an element to Hex 815700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#815700 }
```

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

```
.background{ background-color:#815700 }
```

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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