

# Converting Colors

Hex(832316)

Have a look what the booklet for  
Hex(832316) contains.

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**Color**

**Hex(832316)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	832316
RGB	131, 35, 22
RGB Percent	51%, 14%, 9%
CMY	0.4863, 0.8627, 0.9137
CMYK	0.00, 0.73, 0.83, 0.49
HSL	7°, 71%, 30%
HSV	7°, 83%, 51%
XYZ	10.1059, 6.0853, 1.4010
YIQ	62.2220, 61.3890, 16.3090

# Conversions

## Conversions Part 2

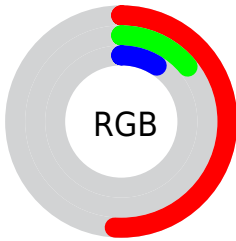
Format	Color
<b>RYB</b>	131, 37, 22
Decimal	8594198
CIELab	29.63, 40.21, 31.80
CIElCh	30, 51.263, 38.342
Yxy	6.0853, 0.5745, 0.3459
Android (android.graphics.Color)	4286784278 (0xFF832316)
YUV	62.2220, -19.8294, 60.3183
Hunter-Lab	24.6684, 29.9567, 13.9006

# Details

The Hex color **832316** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **167683**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **BE5742**, and **4A0000** is the 20% darker color. If you saturate the color by 10%, you get **831709**, and if you desaturate by 10%, it is **832F23**.

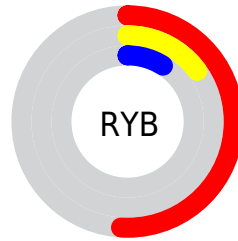
# Distribution



Red (51%)

Green (14%)

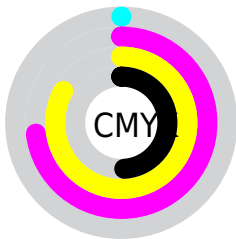
Blue (9%)



Red (51%)

Yellow (15%)

Blue (9%)

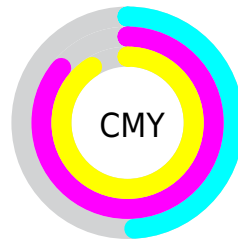


Cyan (0%)

Magenta (73%)

Yellow (83%)

Black (49%)



Cyan (49%)

Magenta (86%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 832316 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 832316 by changing the saturation by 10% instead.



 832316

 832316

 FFFFFB

 660300

 BE5742

 4A0000

 DC705A

 310002

 FB8B73

 000000

 FFA68C

 FFC2A7

 FFDEC2

 FFFBDE

 832316

 832316

■ 831709

■ 832F23

■ 831000

■ 833A30

■ 83463D

■ 83514A

■ 835D58

■ 836865

■ 837472

■ 837F7F

■ 838B8C

# Harmonies

## Analogous

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



8A0F3D



832316



6D3900

# Triad

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



832316



005526



004796

# Complementary

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



832316



167683

# 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.



005290



832316



005750

# Square

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



832316



1E5100



005677



533585

# Rectangle

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



832316



584300



005677



004C96



# Sweetspot

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



832316



AB8580



831676



57403D



D6D6D6



575757



# Same Dimension

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



832316



AB1400



835916



423C3C



821000



030000



# Inverse Universe

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



167683



0096AB



164083



3C4242



007382



000203



# Previews

## White Background



This preview shows how the Hex color 832316 looks on a white background.

## Color Contrast Check

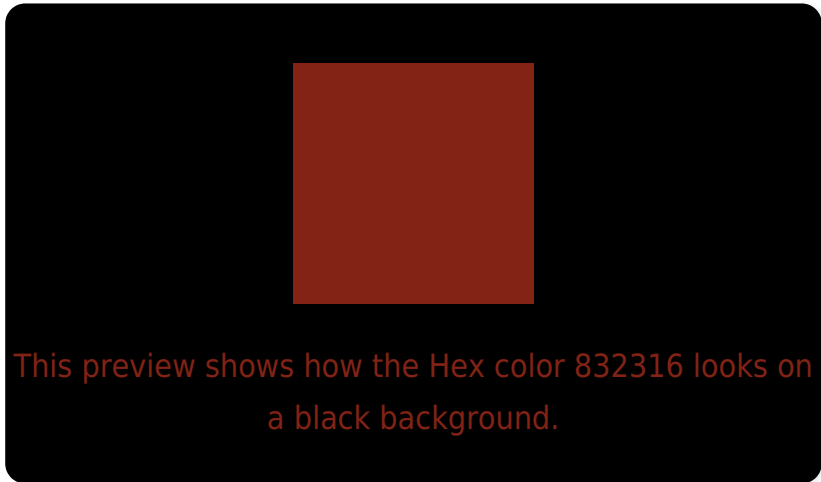
Large Text (above 18pt) WCAG AA ✓ Pass

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 832316 Background



This preview shows how black text looks on a background with the Hex color 832316.



This preview shows how white text looks on a background with the Hex color 832316.

# 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**  
832316

**Protanopia**  
4F471F

**Deuteranopia**  
5A440A



**Tritanopia**  
832123

# Trichromacy



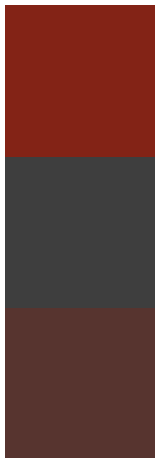
**Original Color**  
832316

**Protanomaly**  
623A1C

**Deuteranomaly**  
69380E

**Tritanomaly**  
83221E

# Monochromacy



**Original Color**  
832316

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
57342F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 832316 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 #832316 looks like.

```
.text, #text, p{  
    color:#832316  
}
```

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 #832316 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #832316
}
```

## Border

The CSS property to change the border of an element to Hex 832316 is called "border". The border property can be set on classes, ids or directly on the HTML element.

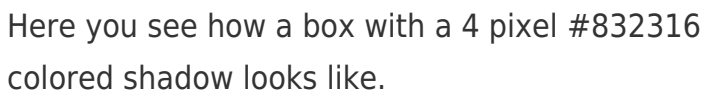
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#832316 }
```

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

```
.border{ border-color:#832316 }
```

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



Here you see how a box with a 4 pixel #832316 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #832316; -webkit-box-shadow:4px 4px  
4px 4px #832316; box-shadow:4px 4px 4px  
4px #832316 }
```

# Background

The CSS property to change the background color of an element to Hex 832316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#832316 }
```

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

```
.background{ background-color:#832316 }
```

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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