

# Converting Colors

Hex(816A20)

Have a look what the booklet for  
Hex(816A20) contains.

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**Color**

**Hex(816A20)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	816A20
RGB	129, 106, 32
RGB Percent	51%, 42%, 13%
CMY	0.4941, 0.5843, 0.8745
CMYK	0.00, 0.18, 0.75, 0.49
HSL	46°, 60%, 32%
HSV	46°, 75%, 51%
XYZ	14.4680, 15.0795, 3.5146
YIQ	104.4410, 37.4620, -18.1380

# Conversions

## Conversions Part 2

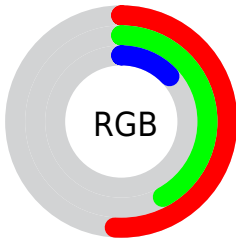
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 129, 32
Decimal	8481312
CIELab	45.74, 0.84, 42.77
CIELCh	46, 42.782, 88.881
Yxy	15.0795, 0.4376, 0.4561
Android (android.graphics.Color)	4286671392 (0xFF816A20)
YUV	104.4410, -35.7134, 21.5382
Hunter-Lab	38.8323, -1.4516, 21.8165

# Details

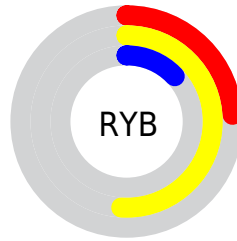
The Hex color **816A20** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **203781**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **B99D52**, and **4D3B00** is the 20% darker color. If you saturate the color by 10%, you get **816713**, and if you desaturate by 10%, it is **816D2D**.

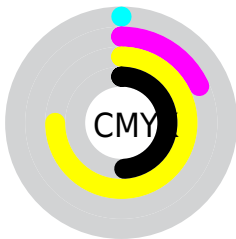
# Distribution



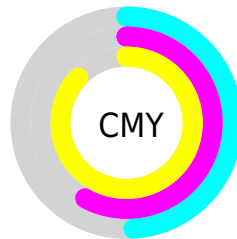
- Red (51%)
- Green (42%)
- Blue (13%)



- Red (24%)
- Yellow (51%)
- Blue (13%)



- Cyan (0%)
- Magenta (18%)
- Yellow (75%)
- Black (49%)




- Cyan (49%)
- Magenta (58%)
- Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 816A20 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 816A20 by changing the saturation by 10% instead.



 816A20

 816A20

FFFFFF

 665203

 B99D52

 4D3B00

 D5B86B

 332600

 F3D385

 1A1200


 FFF0A0

 000000

 FFFFBB

 FFFFD7

 FFFFF4

 816A20

 816A20

■ 816713

■ 816D2D

■ 816406

■ 81703A

■ 816200

■ 817347

■ 817654

■ 817961

■ 817C6D

■ 817F7A

■ 818287

■ 818694

# Harmonies

## Analogous

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



9D5D2F



816A20



5D742A

# Triad

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



816A20



007D8E



975592

# Complementary

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



816A20



203781

# 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.



6B63AB



816A20



0079A9

# Square

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



816A20



007E6A



0971B4



AC4C6F

# Rectangle

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



816A20



40793B



0971B4



8B599C



# Sweetspot

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



816A20



A89F82



812038



544F3D



D4D4D4



545454



# Same Dimension

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



816A20



A88411



698120



403E39



806100



000000



# Inverse Universe

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



203781



1135A8



382081



393B40



001E80

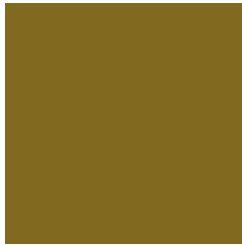


000000



# Previews

## White Background



This preview shows how the Hex color 816A20 looks on a white background.

## Color Contrast Check

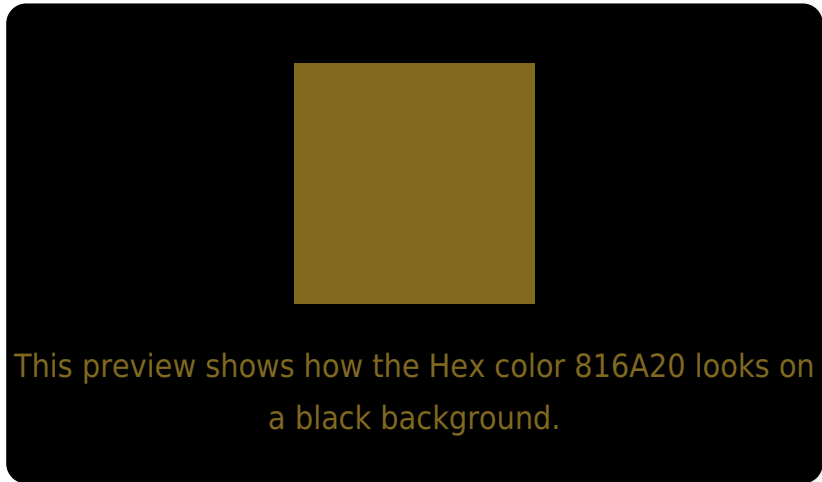
Large Text (above 18pt) WCAG AA ✓ Pass

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 816A20 Background



This preview shows how black text looks on a background with the Hex color 816A20.



This preview shows how white text looks on a background with the Hex color 816A20.

# 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**


816A20

**Protanopia**

7A6D21

**Deuteranopia**

886721



**Tritanopia**  
86636B

# Trichromacy



**Original Color**  
816A20

**Protanomaly**  
7D6C21

**Deuteranomaly**  
856821

**Tritanomaly**  
846650

# Monochromacy



**Original Color**  
816A20

**Achromatopsia**  
686868

**Achromatomaly**  
71694E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 816A20 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 #816A20 looks like.

```
.text, #text, p{  
    color:#816A20  
}
```

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 #816A20 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #816A20
}
```

## Border

The CSS property to change the border of an element to Hex 816A20 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
#816A20 }
```

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

```
.border{ border-color:#816A20 }
```

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

Here you see how a box with a 4 pixel #816A20 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #816A20; -webkit-box-shadow:4px 4px  
4px 4px #816A20; box-shadow:4px 4px 4px  
4px #816A20 }
```

# Background

The CSS property to change the background color of an element to Hex 816A20 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#816A20 }
```

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

```
.background{ background-color:#816A20 }
```

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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