

# Converting Colors

Hex(876A0D)

Have a look what the booklet for  
Hex(876A0D) contains.

<b>Hex(876A0D)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(876A0D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	876A0D
RGB	135, 106, 13
RGB Percent	53%, 42%, 5%
CMY	0.4706, 0.5843, 0.9490
CMYK	0.00, 0.21, 0.90, 0.47
HSL	46°, 82%, 29%
HSV	46°, 90%, 53%
XYZ	15.2184, 15.4880, 2.5682
YIQ	104.0690, 47.1370, -22.7750

# Conversions

## Conversions Part 2

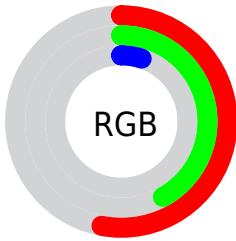
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 135, 13
Decimal	8874509
CIELab	46.30, 2.99, 50.05
CIELCh	46, 50.139, 86.580
Yxy	15.4880, 0.4574, 0.4655
Android (android.graphics.Color)	4287064589 (0xFF876A0D)
YUV	104.0690, -44.8970, 27.1265
Hunter-Lab	39.3548, 0.1543, 23.6793

# Details

The Hex color **876A0D** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **0D2A87**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **C09D44**, and **513B00** is the 20% darker color. If you saturate the color by 10%, you get **876700**, and if you desaturate by 10%, it is **876D1A**.

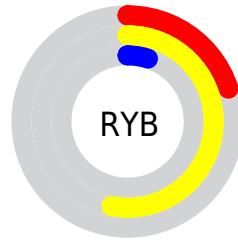
# Distribution



Red (53%)

Green (42%)

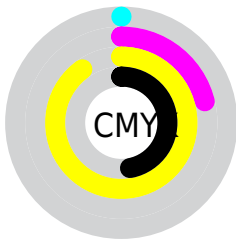
Blue (5%)



Red (20%)

Yellow (53%)

Blue (5%)

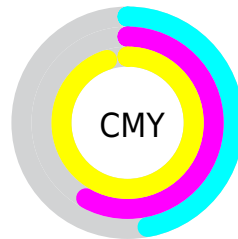


Cyan (0%)

Magenta (21%)

Yellow (90%)

Black (47%)



Cyan (47%)

Magenta (58%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 876A0D 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 876A0D by changing the saturation by 10% instead.



 876A0D

 876A0D

FFFFFF

 6B5200

 C09D44

 513B00

 DDB85E

 372600

 FBD378

 1E1200

 FFF092

 000000

 FFFF AE

 FFFF CA

 FFFF E6

 876A0D

 876A0D

■ 876700

■ 876D1A

■ 877028

■ 877435

■ 877743

■ 877A50

■ 877D5E

■ 87806B

■ 878479

■ 878787

# Harmonies

## Analogous

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



A65927



876A0D



5E7619

# Triad

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



876A0D



008192



9C529D

# Complementary

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



876A0D



0D2A87

# 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.



6565B9



876A0D



007DB3

# Square

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



876A0D



008167



0074C2



B64574

# Rectangle

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



876A0D



3B7C30



0074C2



8D58A8



# Sweetspot

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



876A0D



B0A580



870D2B



59523D



D9D9D9



595959



# Same Dimension

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



876A0D



B08600



69870D



42413C



826300



030200



# Inverse Universe

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



0D2A87



002AB0



2B0D87



3C3D42



001F82

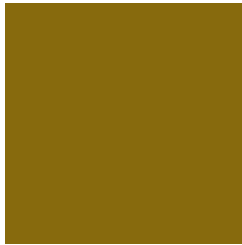


000103



# Previews

## White Background



This preview shows how the Hex color 876A0D 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 876A0D Background



This preview shows how black text looks on a background with the Hex color 876A0D.



This preview shows how white text looks on a background with the Hex color 876A0D.

# 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**  
876A0D

**Protanopia**  
7C6E0E

**Deuteranopia**  
8B680F



**Tritanopia**  
8C636A

# Trichromacy



**Original Color**  
876A0D

**Protanomaly**  
806D0E

**Deuteranomaly**  
8A690E

**Tritanomaly**  
8A6648

# Monochromacy



**Original Color**  
876A0D

**Achromatopsia**  
686868

**Achromatomaly**  
736947

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 876A0D 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 #876A0D looks like.

```
.text, #text, p{  
    color:#876A0D  
}
```

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 #876A0D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #876A0D
}
```

## Border

The CSS property to change the border of an element to Hex 876A0D 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
#876A0D }
```

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

```
.border{ border-color:#876A0D }
```

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

Here you see how a box with a 4 pixel #876A0D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #876A0D; -webkit-box-shadow:4px 4px  
4px 4px #876A0D; box-shadow:4px 4px 4px  
4px #876A0D }
```

# Background

The CSS property to change the background color of an element to Hex 876A0D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#876A0D }
```

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

```
.background{ background-color:#876A0D }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor