

# Converting Colors

Hex(87380D)

Have a look what the booklet for  
Hex(87380D) contains.

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**Color**

**Hex(87380D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	87380D
RGB	135, 56, 13
RGB Percent	53%, 22%, 5%
CMY	0.4706, 0.7804, 0.9490
CMYK	0.00, 0.59, 0.90, 0.47
HSL	21°, 82%, 29%
HSV	21°, 90%, 53%
XYZ	11.4785, 8.0083, 1.3215
YIQ	74.7190, 60.8870, 3.3750

# Conversions

## Conversions Part 2

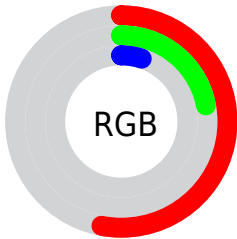
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 79, 13
Decimal	8861709
CIELab	34.00, 31.63, 40.24
CIElCh	34, 51.185, 51.837
Yxy	8.0083, 0.5516, 0.3849
Android (android.graphics.Color)	4287051789 (0xFF87380D)
YUV	74.7190, -30.4275, 52.8664
Hunter-Lab	28.2989, 22.8792, 17.0405

# Details

The Hex color **87380D** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **0D5C87**, and the grayscale version is **4B4B4B**.

A 20% lighter version of the original color is **C2693C**, and **4E0600** is the 20% darker color. If you saturate the color by 10%, you get **873000**, and if you desaturate by 10%, it is **87411A**.

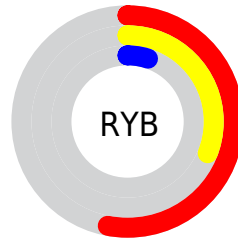
# Distribution



Red (53%)

Green (22%)

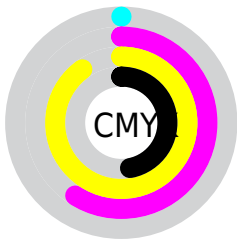
Blue (5%)



Red (53%)

Yellow (31%)

Blue (5%)

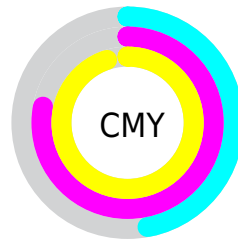


Cyan (0%)

Magenta (59%)

Yellow (90%)

Black (47%)



Cyan (47%)

Magenta (78%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87380D 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 87380D by changing the saturation by 10% instead.



 87380D

 87380D

 FFFFF6

 6B2000

 C2693C

 4E0600

 E08355

 330000

 FF9E6D

 0E0000

 FFB987

 000000

 FFD5A2

 FFF2BD

 FFFFD9

 87380D

 87380D

■ 873000

■ 87411A

■ 874928

■ 875235

■ 875B43

■ 876450

■ 876C5E

■ 87756B

■ 877E79

■ 878787

# Harmonies

## Analogous

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



962434



87380D



6B4A00

# Triad

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



87380D



006143



334A9C

# Complementary

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



87380D



0D5C87

# 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.



0058A1



87380D



00626D

# Square

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



87380D



005E18



006090



753583

# Rectangle

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



87380D



535300



006090



0050A0



# Sweetspot

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



87380D



B09180



870D5C



59473D



D9D9D9



595959



# Same Dimension

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



87380D



B03E00



87750D



423E3C



822E00



030100



# Inverse Universe

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



0D5C87



0072B0



0D1F87



3C4042



005482



000203



# Previews

## White Background



This preview shows how the Hex color 87380D looks on a white background.

## Color Contrast Check

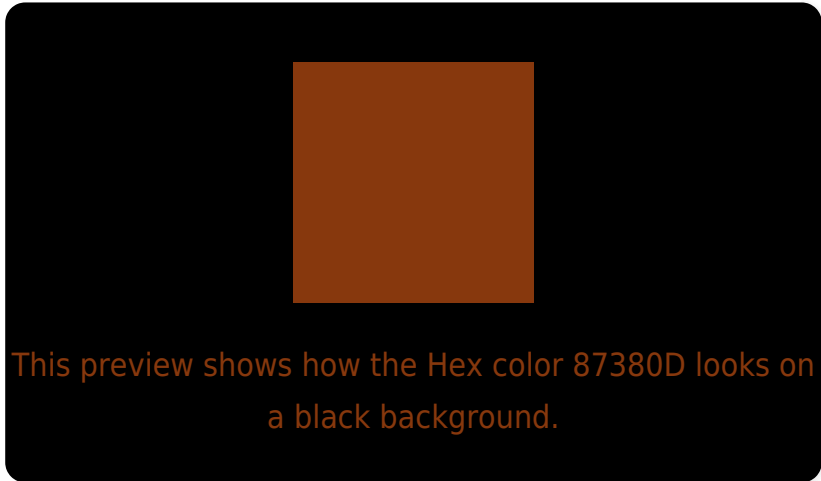
Large Text (above 18pt) WCAG AA ✓ Pass

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 87380D Background



This preview shows how black text looks on a background with the Hex color 87380D.



This preview shows how white text looks on a background with the Hex color 87380D.

# 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**  
87380D

**Protanopia**  
5B5114

**Deuteranopia**  
664D00

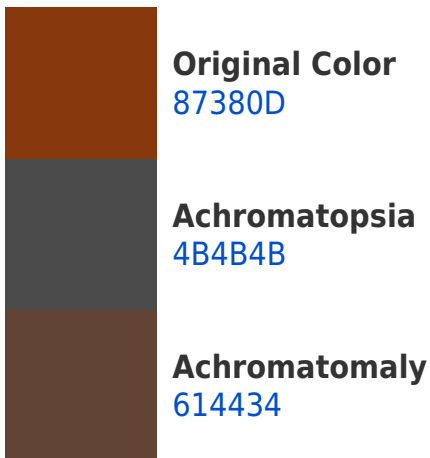


**Tritanopia**  
883438

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87380D 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 #87380D looks like.

```
.text, #text, p{  
    color:#87380D  
}
```

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 #87380D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87380D }  
}
```

## Border

The CSS property to change the border of an element to Hex 87380D is called "border". The border property can be set on classes, ids or directly on the HTML element.

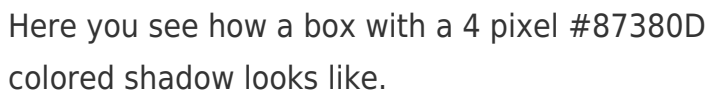
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid #87380D }  
}
```

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

```
.border{ border-color:#87380D }
```

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



Here you see how a box with a 4 pixel #87380D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87380D; -webkit-box-shadow:4px 4px  
4px 4px #87380D; box-shadow:4px 4px 4px  
4px #87380D }
```

# Background

The CSS property to change the background color of an element to Hex 87380D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87380D }
```

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

```
.background{ background-color:#87380D }
```

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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