

# Converting Colors

Hex(780F16)

Have a look what the booklet for  
Hex(780F16) contains.

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# Color

**Hex(780F16)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	780F16
RGB	120, 15, 22
RGB Percent	47%, 6%, 9%
CMY	0.5294, 0.9412, 0.9137
CMYK	0.00, 0.88, 0.82, 0.53
HSL	356°, 78%, 26%
HSV	356°, 88%, 47%
XYZ	8.0614, 4.3926, 1.1820
YIQ	47.1930, 60.3330, 24.4370

# Conversions

## Conversions Part 2

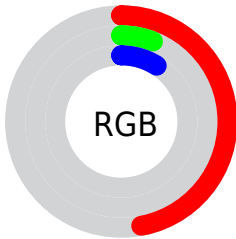
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 15, 22
Decimal	7868182
CIE Lab	24.93, 43.26, 26.28
CIE LCh	25, 50.620, 31.280
Yxy	4.3926, 0.5912, 0.3221
Android (android.graphics.Color)	4286058262 (0xFF780F16)
YUV	47.1930, -12.4201, 63.8517
Hunter-Lab	20.9586, 31.9793, 11.3272

# Details

The Hex color **780F16** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **0F7871**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **B34741**, and **3F0000** is the 20% darker color. If you saturate the color by 10%, you get **78030B**, and if you desaturate by 10%, it is **781B21**.

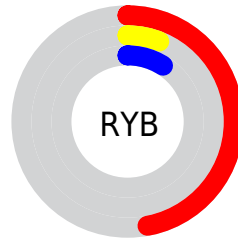
# Distribution



Red (47%)

Green (6%)

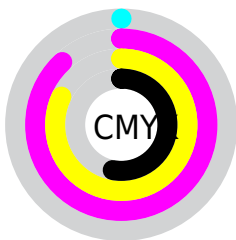
Blue (9%)



Red (47%)

Yellow (6%)

Blue (9%)

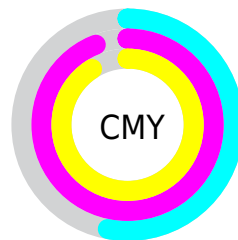


Cyan (0%)

Magenta (88%)

Yellow (82%)

Black (53%)



Cyan (53%)

Magenta (94%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 780F16 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 780F16 by changing the saturation by 10% instead.



 780F16

 780F16

 FFFFFFF9

 5C0000

 B34741

 3F0000

 D16158

 230001

 EF7C71

 000000

 FF978B

 FFB2A5

 FFCFC0

 FFEBCD

 780F16

 780F16

■ 78030B

■ 781B21

■ 780008

■ 78272C

■ 783338

■ 783F43

■ 784B4E

■ 785759

■ 786364

■ 786F70

■ 787B7B

# Harmonies

## Analogous

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



7B003B



780F16



662A00

# Triad

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



780F16



004912



004089

# Complementary

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



780F16



0F7871

# 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.



00487F



780F16



004B3C

# Square

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



780F16



224400



004B62



37307D

# Rectangle

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



780F16



533600



004B62



004388



# Sweetspot

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



780F16



9C7376



710F78



4F3738



CFCFCF



4F4F4F



# Same Dimension

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



780F16



9C000A



783C0F



3D3737



7D0008



FC0011



# Inverse Universe

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



780F16



9C000A



0F4B78



3D3737



7D0008

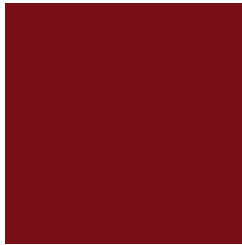


FC0011



# Previews

## White Background



This preview shows how the Hex color 780F16 looks on a white background.

## Color Contrast Check

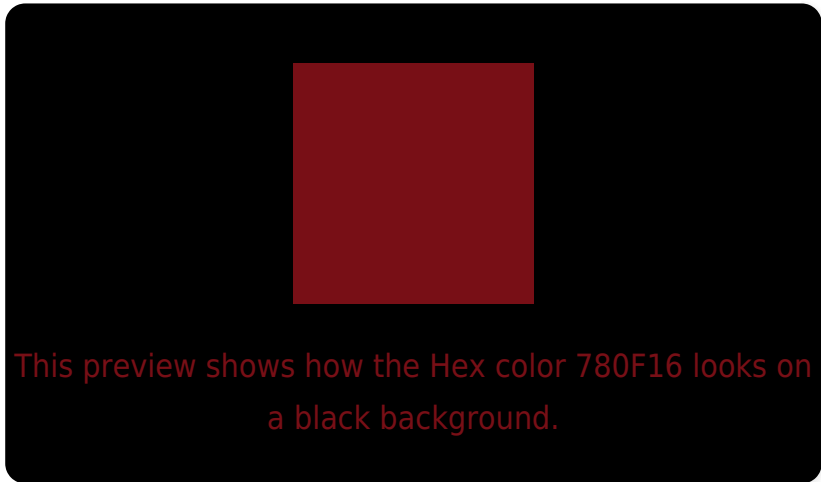
Large Text (above 18pt) WCAG AA ✓ Pass

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 780F16 Background



This preview shows how black text looks on a background with the Hex color 780F16.

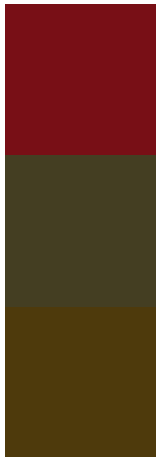


This preview shows how white text looks on a background with the Hex color 780F16.

# 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**  
780F16

**Protanopia**  
443E22

**Deuteranopia**  
4E3A0C



**Tritanopia**  
78100E

# Trichromacy



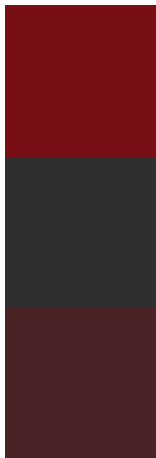
**Original Color**  
780F16

**Protanomaly**  
572D1E

**Deuteranomaly**  
5D2A10

**Tritanomaly**  
781011

# Monochromacy



**Original Color**  
780F16

**Achromatopsia**  
2F2F2F

**Achromatomaly**  
4A2326

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 780F16 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 #780F16 looks like.

```
.text, #text, p{  
    color:#780F16  
}
```

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 #780F16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #780F16
}
```

## Border

The CSS property to change the border of an element to Hex 780F16 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".

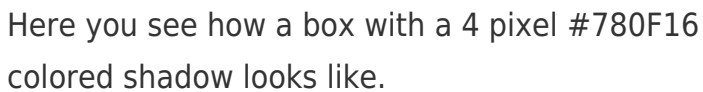
```
.border, #border, table{ border:4px solid
#780F16 }
```

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

```
.border{ border-color:#780F16 }
```

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

Here you see how a box with a 4 pixel #780F16 colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The shadow is cast to the right and bottom of the box, creating a 3D effect. The text inside the box is black and reads: "Here you see how a box with a 4 pixel #780F16 colored shadow looks like."

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #780F16; -webkit-box-shadow:4px 4px  
4px 4px #780F16; box-shadow:4px 4px 4px  
4px #780F16 }
```

# Background

The CSS property to change the background color of an element to Hex 780F16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#780F16 }
```

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

```
.background{ background-color:#780F16 }
```

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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