

# Converting Colors

Hex(780D00)

Have a look what the booklet for  
Hex(780D00) contains.

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**Color**

**Hex(780D00)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	780D00
RGB	120, 13, 0
RGB Percent	47%, 5%, 0%
CMY	0.5294, 0.9490, 1.0000
CMYK	0.00, 0.89, 1.00, 0.53
HSL	6°, 100%, 24%
HSV	6°, 100%, 47%
XYZ	7.8897, 4.2809, 0.4105
YIQ	43.5110, 67.9450, 18.6410

# Conversions

## Conversions Part 2

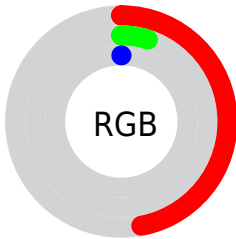
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 15, 0
Decimal	7867648
CIE Lab	24.58, 43.20, 36.51
CIE LCh	25, 56.560, 40.200
Yxy	4.2809, 0.6271, 0.3403
Android (android.graphics.Color)	4286057728 (0xFF780D00)
YUV	43.5110, -21.4509, 67.0809
Hunter-Lab	20.6904, 31.8574, 13.3070

# Details

The Hex color **780D00** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **006B78**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **B4462F**, and **3E0000** is the 20% darker color. If you saturate the color by 10%, you get **780D00**, and if you desaturate by 10%, it is **78180C**.

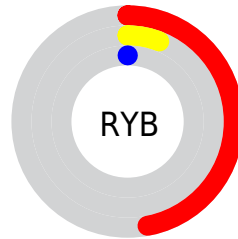
# Distribution



Red (47%)

Green (5%)

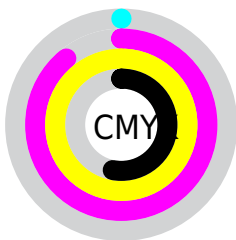
Blue (0%)



Red (47%)

Yellow (6%)

Blue (0%)

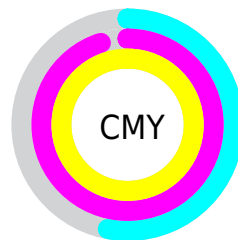


Cyan (0%)

Magenta (89%)

Yellow (100%)

Black (53%)



Cyan (53%)

Magenta (95%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 780D00 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 780D00 by changing the saturation by 10% instead.



 780D00

 780D00

 FFFFE3

 5B0000

 B4462F

 3E0000

 D26046

 220001

 F17A5E

 000000

 FF9577

 FFB191

 FFCDAB

 FFEAC7

 780D00

 78180C

 782218

 782D24

 783830

 78423C

 784D48

 785854

 786360

 786D6C

# Harmonies

## Analogous

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



82002E



780D00



5F2D00

# Triad

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



780D00



004A1B



003C90

# Complementary

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



780D00



006B78

# 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.



00478C



780D00



004B48

# Square

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



780D00



004600



004B71



4A257D

# Rectangle

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



780D00



483900



004B71



004191



# Sweetspot

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



780D00



9C726D



78006C



4F3633



CFCFCF



4F4F4F



# Same Dimension

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



780D00



9C1100



784800



3D3837



7D0E00



FC1B00



# Inverse Universe

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



006B78



008B9C



003078



373D3D



006F7D

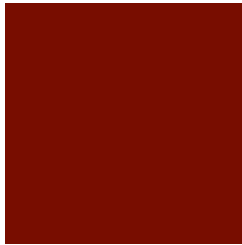


00E1FC



# Previews

## White Background



This preview shows how the Hex color 780D00 looks on a white background.

## Color Contrast Check

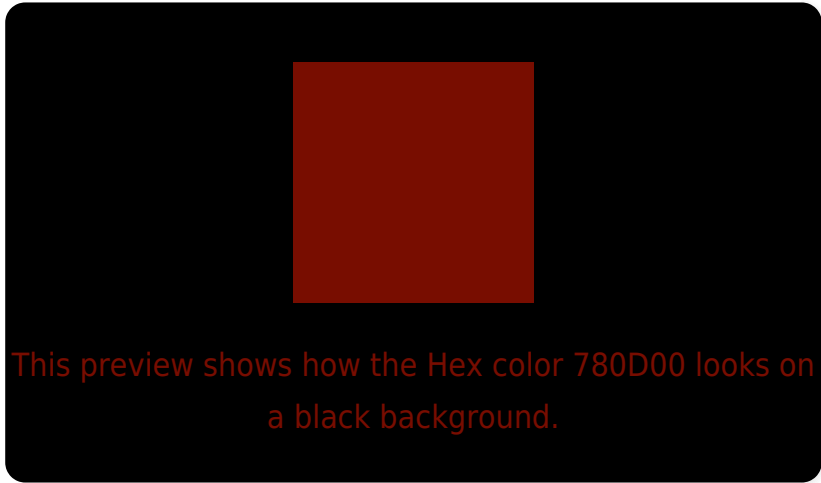
Large Text (above 18pt) WCAG AA ✓ Pass

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

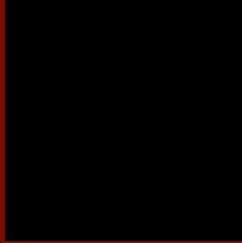
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 780D00 Background



This preview shows how black text looks on a background with the Hex color 780D00.



This preview shows how white text looks on a background with the Hex color 780D00.

# 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**  
780D00

**Protanopia**  
453D0F

**Tritanopia**  
780D08

# Trichromacy



**Original Color**  
780D00

**Protanomaly**  
582C0A

**Tritanomaly**  
780D05

# Monochromacy



**Original Color**  
780D00

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
48211C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 780D00 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 #780D00 looks like.

```
.text, #text, p{  
    color:#780D00  
}
```

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 #780D00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #780D00
}
```

## Border

The CSS property to change the border of an element to Hex 780D00 is called "border". The border property can be set on classes, ids or directly on the HTML element.

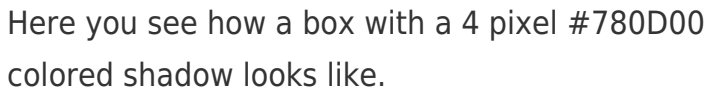
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#780D00 }
```

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

```
.border{ border-color:#780D00 }
```

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



Here you see how a box with a 4 pixel #780D00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #780D00; -webkit-box-shadow:4px 4px  
4px 4px #780D00; box-shadow:4px 4px 4px  
4px #780D00 }
```

# Background

The CSS property to change the background color of an element to Hex 780D00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#780D00 }
```

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

```
.background{ background-color:#780D00 }
```

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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