

# Converting Colors

Hex(780D13)

Have a look what the booklet for  
Hex(780D13) contains.

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**Color**

**Hex(780D13)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	780D13
RGB	120, 13, 19
RGB Percent	47%, 5%, 7%
CMY	0.5294, 0.9490, 0.9255
CMYK	0.00, 0.89, 0.84, 0.53
HSL	357°, 80%, 26%
HSV	357°, 89%, 47%
XYZ	8.0072, 4.3279, 1.0294
YIQ	45.6770, 61.8460, 24.5500

# Conversions

## Conversions Part 2

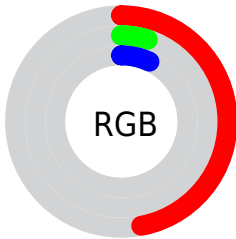
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 13, 19
Decimal	7867667
CIE Lab	24.73, 43.64, 27.93
CIE LCh	25, 51.812, 32.619
Yxy	4.3279, 0.5991, 0.3238
Android (android.graphics.Color)	4286057747 (0xFF780D13)
YUV	45.6770, -13.1518, 65.1813
Hunter-Lab	20.8037, 32.2970, 11.6287

# Details

The Hex color **780D13** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **0D7872**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **B3463E**, and **3F0000** is the 20% darker color. If you saturate the color by 10%, you get **780108**, and if you desaturate by 10%, it is **78191E**.

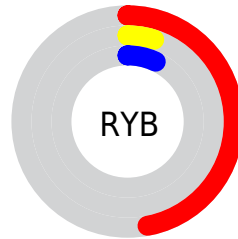
# Distribution



Red (47%)

Green (5%)

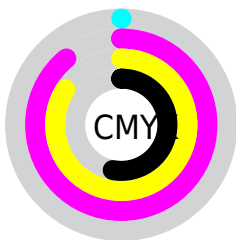
Blue (7%)



Red (47%)

Yellow (5%)

Blue (7%)

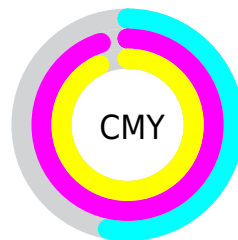


Cyan (0%)

Magenta (89%)

Yellow (84%)

Black (53%)



Cyan (53%)

Magenta (95%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 780D13 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 780D13 by changing the saturation by 10% instead.



 780D13

 780D13

 FFFFF5

 5C0000

 B3463E

 3F0000

 D16055

 230001

 F07B6E

 000000

 FF9687

 FFB1A1

 FFCEBC

 FFEAD8

 780D13

 780D13

■ 780108

■ 78191E

■ 780007

■ 78252A

■ 783135

■ 783D40

■ 78494C

■ 785557

■ 786162

■ 786D6E

■ 787979

# Harmonies

## Analogous

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



7C0039



780D13



642A00

# Triad

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



780D13



004913



003F8A

# Complementary

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



780D13



0D7872

# 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.



004881



780D13



004A3D

# Square

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



780D13



1E4400



004B64



392E7E

# Rectangle

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



780D13



513600



004B64



004389



# Sweetspot

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



780D13



9C7274



710D78



4F3637



CFCFCF



4F4F4F



# Same Dimension

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



780D13



9C0009



783B0D



3D3737



7D0007



FC000E



# Inverse Universe

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



780D13



9C0009



0D4A78



3D3737



7D0007



FC000E



# Previews

## White Background



This preview shows how the Hex color 780D13 looks on a white background.

## Color Contrast Check

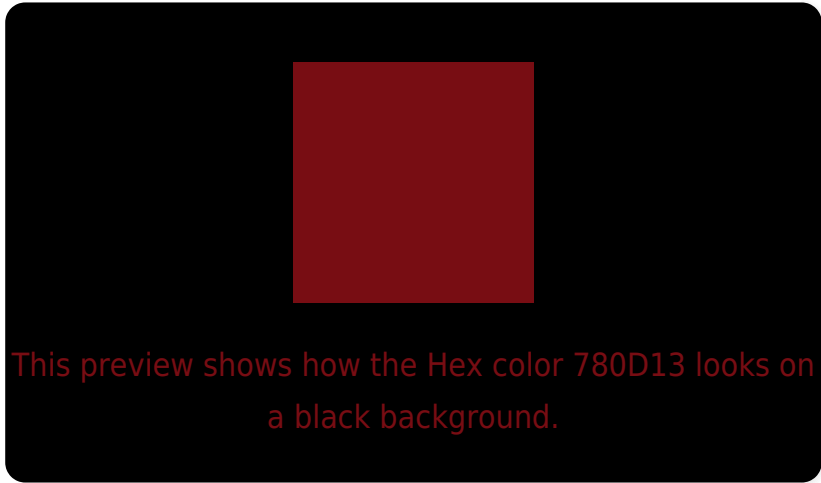
Large Text (above 18pt) WCAG AA ✓ Pass

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 780D13 Background



This preview shows how black text looks on a background with the Hex color 780D13.



This preview shows how white text looks on a background with the Hex color 780D13.

# 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**  
780D13

**Protanopia**  
443D1E

**Deuteranopia**  
4E3A02



**Tritanopia**  
780E0B

# Trichromacy



**Original Color**  
780D13

**Protanomaly**  
572C1A

**Deuteranomaly**  
5D2A08

**Tritanomaly**  
780E0E

# Monochromacy



**Original Color**  
780D13

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
492224

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 780D13 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 #780D13 looks like.

```
.text, #text, p{  
    color:#780D13  
}
```

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 #780D13 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #780D13
}
```

## Border

The CSS property to change the border of an element to Hex 780D13 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".

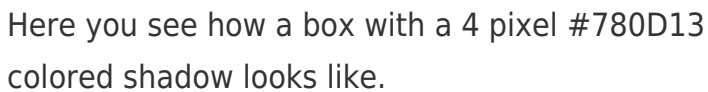
```
.border, #border, table{ border:4px solid
#780D13 }
```

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

```
.border{ border-color:#780D13 }
```

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

Here you see how a box with a 4 pixel #780D13 colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The shadow is visible on the right and bottom edges of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #780D13; -webkit-box-shadow:4px 4px  
4px 4px #780D13; box-shadow:4px 4px 4px  
4px #780D13 }
```

# Background

The CSS property to change the background color of an element to Hex 780D13 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#780D13 }
```

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

```
.background{ background-color:#780D13 }
```

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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