Converting Colors

Hex(780E02)

Have a look what the booklet for Hex(780E02) contains.

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Color

Hex(780E02)

Conversions

Conversions Part 1

Format	Color
Hex	780E02
RGB	120, 14, 2
RGB Percent	47%, 5%, 1%
CMY	0.5294, 0.9451, 0.9922
CMYK	0.00, 0.88, 0.98, 0.53
HSL	6°, 97%, 24%
HSV	6°, 98%, 47%
XYZ	7.9137, 4.3115, 0.4725
YIQ	44.3260, 67.0280, 18.7400

Conversions

Conversions Part 2

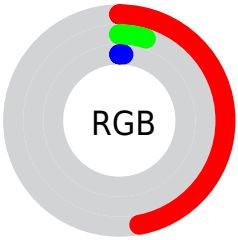
Format	Color
RYB	120, 15, 2
Decimal	7867906
CIELab	24.68, 43.01, 35.79
CIELCh	25, 55.947, 39.764
Yxy	4.3115, 0.6232, 0.3395
Android (android.graphics.Color)	4286057986 (0xFF780E02)
YUV	44.3260, -20.8667, 66.3661
Hunter-Lab	20.7642, 31.6931, 13.1857

Details

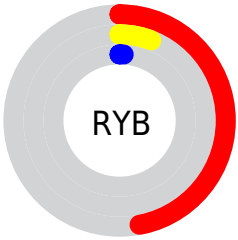
The Hex color 780E02 is a dark color, and the websafe version is hex 660000. A complement of this color would be 026C78, and the grayscale version is 2C2C2C.

A 20% lighter version of the original color is B44730, and 3E0000 is the 20% darker color. If you saturate the color by 10%, you get 780C00, and if you desaturate by 10%, it is 78190E.

Distribution

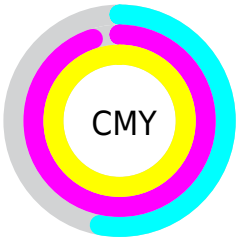


- Red (47%)
- Green (5%)
- Blue (1%)



- Red (47%)
- Yellow (6%)
- Blue (1%)

- Cyan (0%)
- Magenta (88%)
- Yellow (98%)
- Black (53%)



- Cyan (53%)
- Magenta (95%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Hex color 780E02 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 780E02 by changing the saturation by 10% instead.

780E02

FFFFE5

B44730

D26147

F17B5F

FF9678

FFB192

FFCEAD

FFEAC9

780E02

5B0000

3E0000

220001

000000

780E02

780E02

780C00

78190E

78241A

782E26

783932

78443E

784F4A

785956

786462

786F6E

Harmonies

Analogous

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

81002F

780E02

5F2D00

Triad

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

780E02

004A1B

003C8F

Complementary

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

780E02

026C78

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.

00478B

780E02

004B48

Square

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

780E02

024600

004B70

49267D

Rectangle

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

780E02

493900

004B70

004191

Sweetspot

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

780E02

9C726D

78026C

4F3533

CFCFCF

4F4F4F

Same Dimension

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

780E02

9C1000

784902

3D3837

7D0D00

FC1A00

Inverse Universe

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

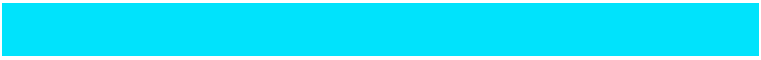
026C78

008C9C

023178

373D3D

00707D



00E3FC

Previews

White Background

This preview shows how the Hex color 780E02 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

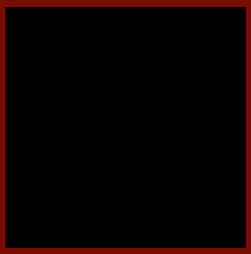
Black Background

Color Contrast Check

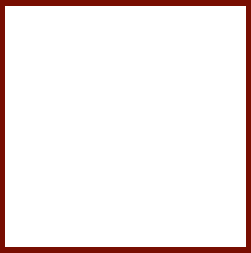
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the Color Contrast Checker.

Hex 780E02 Background



This preview shows how black text looks on a background with the Hex color 780E02.

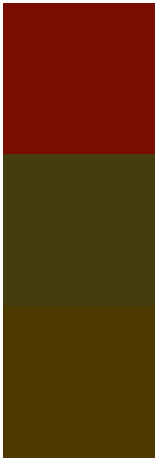


This preview shows how white text looks on a background with the Hex color 780E02.

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
780E02

Protanopia
453D0F

Deuteranopia
4D3A00

Tritanopia
780E0A

Trichromacy

Original Color
780E02

Protanomaly
582C0A

Deuteranomaly
5D2A01

Tritanomaly
780E07

Monochromacy

Original Color
780E02

Achromatopsia
2C2C2C

Achromatomaly
48211D

CSS Examples

Text

The CSS property to change the color of the text to Hex 780E02 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 #780E02 looks like.

```
.text, #text, p{
    color:#780E02
}
```

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 #780E02 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #780E02
}
```

Border

The CSS property to change the border of an element to Hex 780E02 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
#780E02 }
```

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

```
.border{ border-color:#780E02 }
```

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

Here you see how a box with a 4 pixel #780E02 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px #780E02; -webkit-box-shadow:4px 4px 4px 4px #780E02; box-shadow:4px 4px 4px 4px #780E02 }
```

Background

The CSS property to change the background color of an element to Hex 780E02 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:#780E02 }
```

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

```
.background{ background-color:#780E02 }
```

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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