

# Converting Colors

Hex(780003)

Have a look what the booklet for  
Hex(780003) contains.

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# Color

**Hex(780003)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	780003
RGB	120, 0, 3
RGB Percent	47%, 0%, 1%
CMY	0.5294, 1.0000, 0.9882
CMYK	0.00, 1.00, 0.98, 0.53
HSL	358°, 100%, 24%
HSV	358°, 100%, 47%
XYZ	7.7622, 3.9996, 0.4490
YIQ	36.2220, 70.5570, 26.3730

# Conversions

## Conversions Part 2

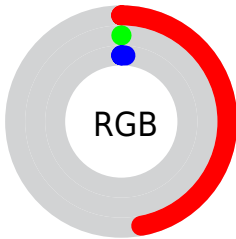
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 0, 3
Decimal	7864323
CIELab	23.67, 45.94, 34.39
CIELCh	24, 57.382, 36.818
Yxy	3.9996, 0.6357, 0.3275
Android (android.graphics.Color)	4286054403 (0xFF780003)
YUV	36.2220, -16.3784, 73.4733
Hunter-Lab	19.9991, 34.2820, 12.6681

# Details

The Hex color **780003** is a dark color, and the websafe version is hex **660000**. A complement of this color would be **007875**, and the grayscale version is **242424**.

A 20% lighter version of the original color is **B44031**, and **3E0000** is the 20% darker color. If you saturate the color by 10%, you get **780003**, and if you desaturate by 10%, it is **780C0F**.

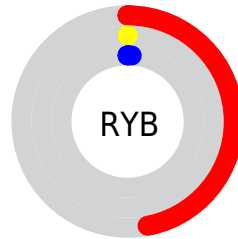
# Distribution



Red (47%)

Green (0%)

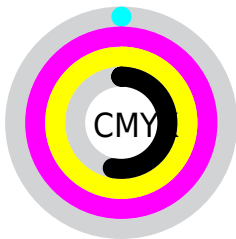
Blue (1%)



Red (47%)

Yellow (0%)

Blue (1%)

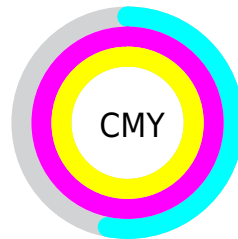


Cyan (0%)

Magenta (100%)

Yellow (98%)

Black (53%)



Cyan (53%)

Magenta (100%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 780003 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 780003 by changing the saturation by 10% instead.



 780003

 780003

 FFFFE5

 5B0000

 B44031

 3E0000

 D25B48

 200001

 F17560

 000000

 FF9079

 FFAC93

 FFC8AD

 FFE5C9

 780003

 780C0F

 78181A

 782426

 783032

 783C3E

 784849

 785455

 786061

 786C6C

# Harmonies

## Analogous

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



800031



780003



602800

# Triad

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



780003



004713



003C90

# Complementary

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



780003



007875

# 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.



004689



780003



004942

# Square

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



780003



044300



00496C



40267F

# Rectangle

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



780003



4A3500



00496C



004090



# Sweetspot

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



780003



9C6D6E



740078



4F3333



CFCFCF



4F4F4F



# Same Dimension

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



780003



9C0004



783800



3D3737



7D0003



FC0006



# Inverse Universe

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



780003



9C0004



004078



3D3737



7D0003

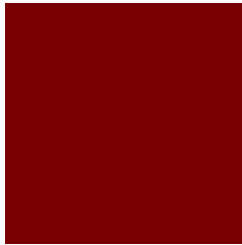


FC0006



# Previews

## White Background



This preview shows how the Hex color 780003 looks on a white background.

## Color Contrast Check

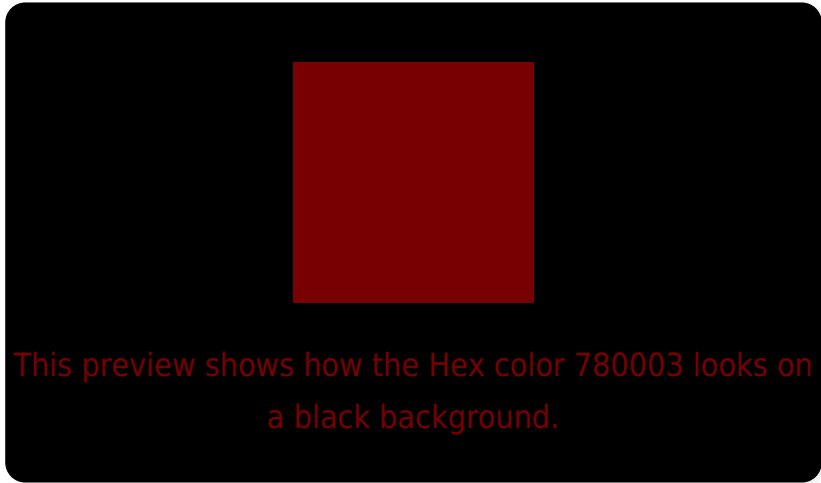
Large Text (above 18pt) WCAG AA ✓ Pass

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 780003 Background



This preview shows how black text looks on a background with the Hex color 780003.



This preview shows how white text looks on a background with the Hex color 780003.

# 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**  
780003

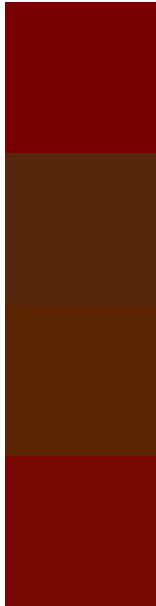
**Protanopia**  
443D10

**Deuteranopia**  
4C3A00



**Tritanopia**  
770B00

# Trichromacy



**Original Color**  
780003

**Protanomaly**  
57270B

**Deuteranomaly**  
5C2501

**Tritanomaly**  
770701

# Monochromacy



**Original Color**  
780003

**Achromatopsia**  
242424

**Achromatomaly**  
431718

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 780003 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 #780003 looks like.

```
.text, #text, p{  
    color:#780003  
}
```

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 #780003 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #780003
}
```

## Border

The CSS property to change the border of an element to Hex 780003 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
#780003 }
```

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

```
.border{ border-color:#780003 }
```

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

Here you see how a box with a 4 pixel #780003 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #780003; -webkit-box-shadow:4px 4px  
4px 4px #780003; box-shadow:4px 4px 4px  
4px #780003 }
```

# Background

The CSS property to change the background color of an element to Hex 780003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#780003 }
```

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

```
.background{ background-color:#780003 }
```

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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