

# Converting Colors

Hex(780230)

Have a look what the booklet for  
Hex(780230) contains.

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**Color**

**Hex(780230)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	780230
RGB	120, 2, 48
RGB Percent	47%, 1%, 19%
CMY	0.5294, 0.9922, 0.8118
CMYK	0.00, 0.98, 0.60, 0.53
HSL	337°, 97%, 24%
HSV	337°, 98%, 47%
XYZ	8.3009, 4.2499, 3.1791
YIQ	42.5260, 55.5620, 39.3220

# Conversions

## Conversions Part 2

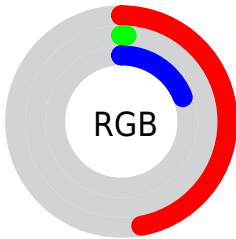
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 2, 48
Decimal	7864880
CIE <sub>Lab</sub>	24.48, 47.35, 8.21
CIE <sub>LCh</sub>	24, 48.056, 9.836
Yxy	4.2499, 0.5277, 0.2702
Android (android.graphics.Color)	4286054960 (0xFF780230)
YUV	42.5260, 2.6987, 67.9447
Hunter-Lab	20.6153, 35.7981, 5.2875

# Details

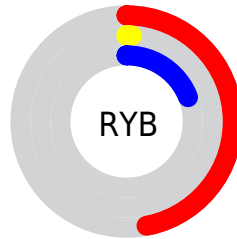
The Hex color **780230** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **02784A**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **B1435E**, and **420000** is the 20% darker color. If you saturate the color by 10%, you get **78002F**, and if you desaturate by 10%, it is **780E37**.

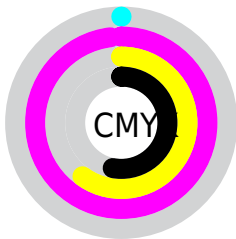
# Distribution



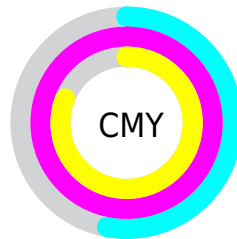
- Red (47%)
- Green (1%)
- Blue (19%)



- Red (47%)
- Yellow (1%)
- Blue (19%)



- Cyan (0%)
- Magenta (98%)
- Yellow (60%)
- Black (53%)



- Cyan (53%)
- Magenta (99%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 780230 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 780230 by changing the saturation by 10% instead.



 780230

 780230

FFFFFF

 5C001B

 B1435E

 420000

 CF5D76

 250001

 ED7890

 000000

 FF93AA

 FFAFC5

 FFCBE1

 FFE8FE

 780230

 780230

 78002F

 780E37

 781A3F

 782646

 78324D

 783E55

 784A5C

 785663

 78626B

 786E72

# Harmonies

## Analogous

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



6D1054



780230



701A0C

# Triad

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



780230



124400



00457F

# Complementary

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



780230



02784A

# 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.



004968



780230



00481F

# Square

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



780230



3E3C00



004946



003B83

# Rectangle

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



780230



642900



004946



004779



# Sweetspot

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



780230



9C6D7F



490278



4F333E



CFCFCF



4F4F4F



# Same Dimension

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



780230



9C003D



780E02



3D3739



7D0031



FC0062



# Inverse Universe

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



780230



9C003D



026C78



3D3739



7D0031

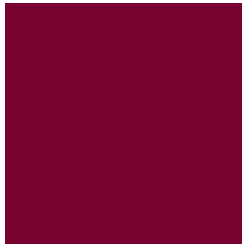


FC0062



# Previews

## White Background



This preview shows how the Hex color 780230 looks on a white background.

## Color Contrast Check

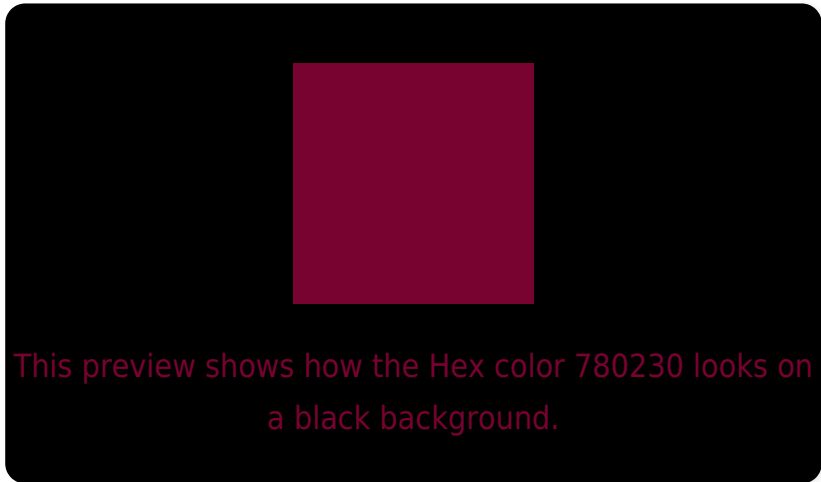
Large Text (above 18pt) WCAG AA ✓ Pass

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 780230 Background



This preview shows how black text looks on a background with the Hex color 780230.



This preview shows how white text looks on a background with the Hex color 780230.

# 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**  
780230

**Protanopia**  
3C3D46

**Deuteranopia**  
4A3B2B



# Trichromacy



**Original Color**

780230

**Protanomaly**

52283E

**Deuteranomaly**

5B262D

**Tritanomaly**

770D1D

# Monochromacy



**Original Color**

780230

**Achromatopsia**

2B2B2B

**Achromatomaly**

471C2D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 780230 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 #780230 looks like.

```
.text, #text, p{  
    color:#780230  
}
```

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 #780230 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #780230
}
```

## Border

The CSS property to change the border of an element to Hex 780230 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".

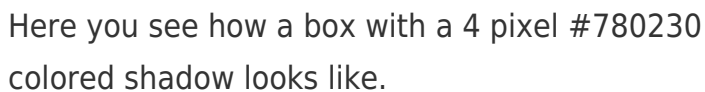
```
.border, #border, table{ border:4px solid
#780230 }
```

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

```
.border{ border-color:#780230 }
```

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

Here you see how a box with a 4 pixel #780230 colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The box is white with a thin dark red border on the top and left sides, and a thicker dark red shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #780230; -webkit-box-shadow:4px 4px  
4px 4px #780230; box-shadow:4px 4px 4px  
4px #780230 }
```

# Background

The CSS property to change the background color of an element to Hex 780230 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#780230 }
```

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

```
.background{ background-color:#780230 }
```

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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