

# Converting Colors

Hex(7C0070)

Have a look what the booklet for  
Hex(7C0070) contains.

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# Color

**Hex(7C0070)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7C0070
RGB	124, 0, 112
RGB Percent	49%, 0%, 44%
CMY	0.5137, 1.0000, 0.5608
CMYK	0.00, 1.00, 0.10, 0.51
HSL	306°, 100%, 24%
HSV	306°, 100%, 49%
XYZ	11.2368, 5.4549, 15.7899
YIQ	49.8440, 37.9520, 61.1200

# Conversions

## Conversions Part 2

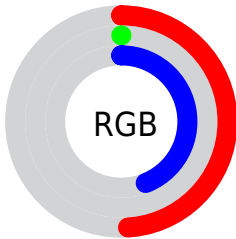
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	124, 0, 112
Decimal	8126576
CIE <sub>Lab</sub>	27.99, 55.77, -29.23
CIE <sub>LCh</sub>	28, 62.965, 332.345
Yxy	5.4549, 0.3459, 0.1679
Android (android.graphics.Color)	4286316656 (0xFF7C0070)
YUV	49.8440, 30.6429, 65.0348
Hunter-Lab	23.3558, 45.0062, -23.7344

# Details

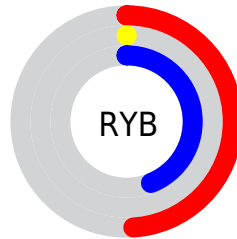
The Hex color **7C0070** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **007C0C**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **B446A4**, and **460040** is the 20% darker color. If you saturate the color by 10%, you get **7C0070**, and if you desaturate by 10%, it is **7C0C71**.

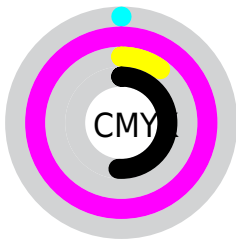
# Distribution



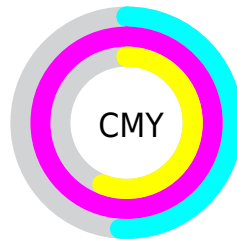
- Red (49%)
- Green (0%)
- Blue (44%)



- Red (49%)
- Yellow (0%)
- Blue (44%)



- Cyan (0%)
- Magenta (100%)
- Yellow (10%)
- Black (51%)



- Cyan (51%)
- Magenta (100%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7C0070 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 7C0070 by changing the saturation by 10% instead.



 7C0070

 7C0070

FFFFFF

 610057

 B446A4

 460040

 D162BF

 2F0029

 EE7DDB

 010013

 FF98F8

 000000

 FFB5FF

 FFD1FF

 FFEEFF

 7C0070

■ 7C0C71

■ 7C1972

■ 7C2574

■ 7C3275

■ 7C3E76

■ 7C4A77

■ 7C5778

■ 7C637A

■ 7C707B

# Harmonies

## Analogous

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



3C3295



7C0070



920041

# Triad

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



7C0070



4F4200



005575

# Complementary

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



7C0070



007C00

# 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.



005545



7C0070



194D00

# Square

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



7C0070



742C00



00520E



005299

# Rectangle

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



7C0070



910021



00520E



005566



# Sweetspot

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



7C0070



A1709C



0A007C



52344F



D1D1D1



525252



# Same Dimension

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



7C0070



A10091



7C0034



3D373D



7D0071



FC00E4



# Inverse Universe

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



7C0070



A10091



007C48



3D373D



7D0071



FC00E4



# Previews

## White Background



This preview shows how the Hex color 7C0070 looks on a white background.

## Color Contrast Check

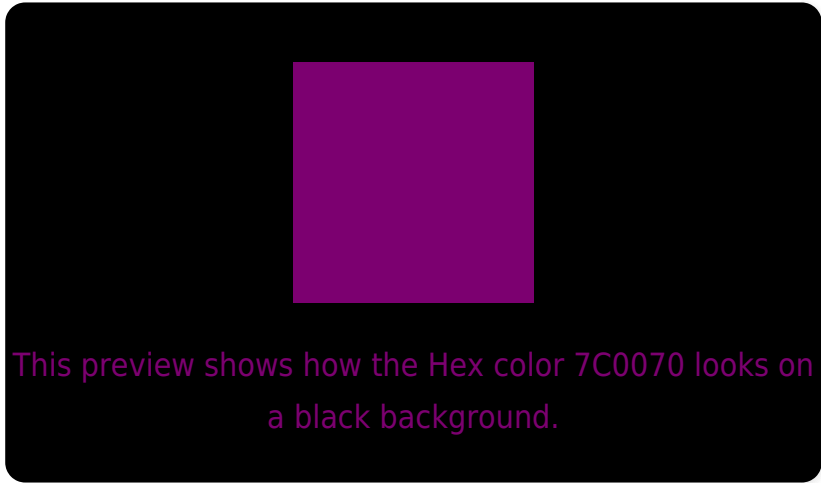
Large Text (above 18pt) WCAG AA ✓ Pass

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

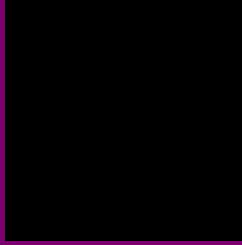
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7C0070 Background



This preview shows how black text looks on a background with the Hex color 7C0070.



This preview shows how white text looks on a background with the Hex color 7C0070.

# 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**  
7C0070

**Protanopia**  
00438E

**Deuteranopia**  
354569



**Tritanopia**  
762C2F

# Trichromacy



**Original Color**  
7C0070

**Protanomaly**  
2D2B83

**Deuteranomaly**  
4F2C6C

**Tritanomaly**  
781C47

# Monochromacy



**Original Color**  
7C0070

**Achromatopsia**  
323232

**Achromatomaly**  
4D2049

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7C0070 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 #7C0070 looks like.

```
.text, #text, p{  
    color:#7C0070  
}
```

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 #7C0070 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7C0070
}
```

## Border

The CSS property to change the border of an element to Hex 7C0070 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
#7C0070 }
```

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

```
.border{ border-color:#7C0070 }
```

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

Here you see how a box with a 4 pixel #7C0070 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7C0070; -webkit-box-shadow:4px 4px  
4px 4px #7C0070; box-shadow:4px 4px 4px  
4px #7C0070 }
```

# Background

The CSS property to change the background color of an element to Hex 7C0070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7C0070 }
```

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

```
.background{ background-color:#7C0070 }
```

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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