

# Converting Colors

Hex(7F0068)

Have a look what the booklet for  
Hex(7F0068) contains.

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**Color**

**Hex(7F0068)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7F0068
RGB	127, 0, 104
RGB Percent	50%, 0%, 41%
CMY	0.5020, 1.0000, 0.5922
CMYK	0.00, 1.00, 0.18, 0.50
HSL	311°, 100%, 25%
HSV	311°, 100%, 50%
XYZ	11.2511, 5.5115, 13.5675
YIQ	49.8290, 42.3080, 59.2680

# Conversions

## Conversions Part 2

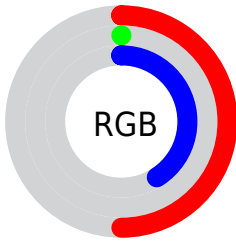
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 0, 104
Decimal	8323176
CIELab	28.14, 55.22, -23.78
CIElCh	28, 60.126, 336.700
Yxy	5.5115, 0.3710, 0.1817
Android (android.graphics.Color)	4286513256 (0xFF7F0068)
YUV	49.8290, 26.7063, 67.6790
Hunter-Lab	23.4766, 44.4616, -17.8311

# Details

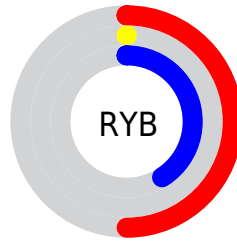
The Hex color **7F0068** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **007F17**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **B7469B**, and **490038** is the 20% darker color. If you saturate the color by 10%, you get **7F0068**, and if you desaturate by 10%, it is **7F0D6A**.

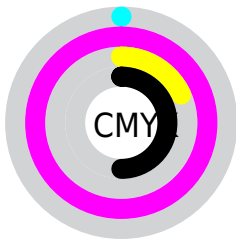
# Distribution



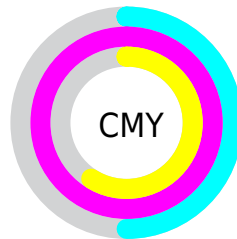
- Red (50%)
- Green (0%)
- Blue (41%)



- Red (50%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (18%)
- Black (50%)



- Cyan (50%)
- Magenta (100%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7F0068 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 7F0068 by changing the saturation by 10% instead.



 7F0068

 7F0068

FFFFFF

 640050


 B7469B

 490038

 D462B6

 310023

 F27DD2

 070008

 FF99EF

 000000

 FFB5FF

 FFD1FF

 FFEFFF

 7F0068

 7F0D6A

 7F196D

 7F266F

 7F3371

 7F4073

 7F4C76

 7F5978

 7F667A

 7F727D

# Harmonies

## Analogous

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



4B2F8E



7F0068



90003A

# Triad

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



7F0068



494400



005579

# Complementary

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



7F0068



007F17

# 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.



00554C



7F0068



114E00

# Square

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



7F0068



6E3100



00531A



005199

# Rectangle

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



7F0068



8D001C



00531A



00556B



# Sweetspot

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



7F0068



A6749D



15007F



54364F



D4D4D4



545454



# Same Dimension

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



7F0068



A60088



7F002A



40393F



800068



000000



# Inverse Universe

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



7F0068



A60088



007F55



40393F



800068



000000



# Previews

## White Background



This preview shows how the Hex color 7F0068 looks on a white background.

## Color Contrast Check

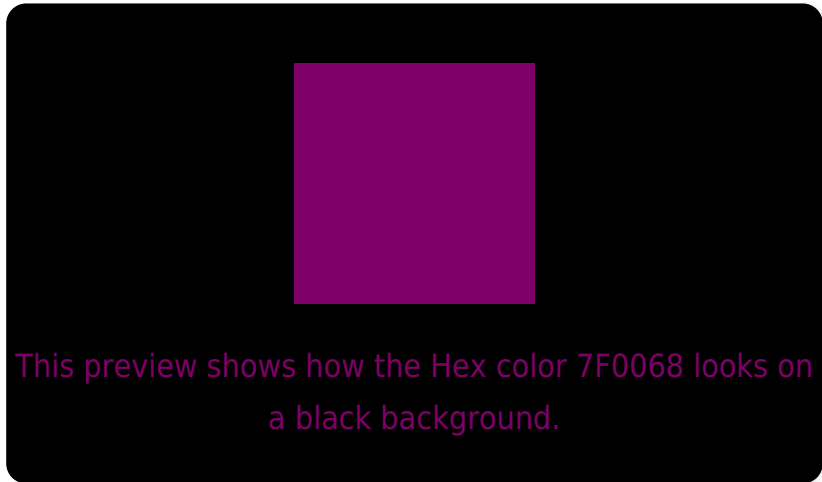
Large Text (above 18pt) WCAG AA ✓ Pass

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

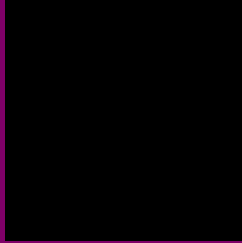
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7F0068 Background



This preview shows how black text looks on a background with the Hex color 7F0068.

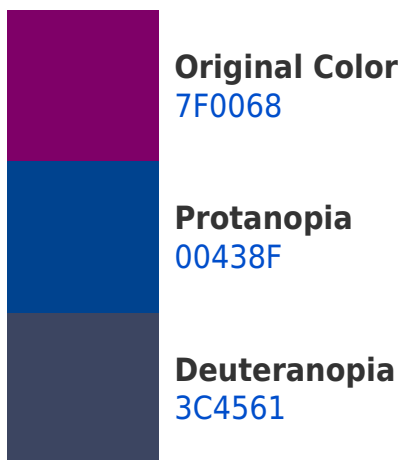



This preview shows how white text looks on a background with the Hex color 7F0068.

# 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





**Tritanopia**  
7A292B

# Trichromacy



**Original Color**

7F0068



**Protanomaly**

2E2B81



**Deuteranomaly**

542C64



**Tritanomaly**

7C1A41

# Monochromacy



**Original Color**

7F0068



**Achromatopsia**

323232



**Achromatomaly**

4E2046

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7F0068 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 #7F0068 looks like.

```
.text, #text, p{  
    color:#7F0068  
}
```

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 #7F0068 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7F0068
}
```

## Border

The CSS property to change the border of an element to Hex 7F0068 is called "border". The border property can be set on classes, ids or directly on the HTML element.

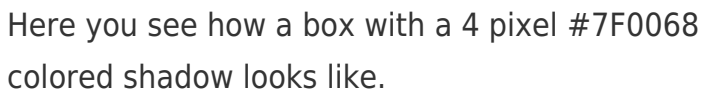
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7F0068 }
```

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

```
.border{ border-color:#7F0068 }
```

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



Here you see how a box with a 4 pixel #7F0068 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7F0068; -webkit-box-shadow:4px 4px  
4px 4px #7F0068; box-shadow:4px 4px 4px  
4px #7F0068 }
```

# Background

The CSS property to change the background color of an element to Hex 7F0068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7F0068 }
```

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

```
.background{ background-color:#7F0068 }
```

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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