

# Converting Colors

Hex(7D0068)

Have a look what the booklet for  
Hex(7D0068) contains.

<b>Hex(7D0068)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(7D0068)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7D0068
RGB	125, 0, 104
RGB Percent	49%, 0%, 41%
CMY	0.5098, 1.0000, 0.5922
CMYK	0.00, 1.00, 0.17, 0.51
HSL	310°, 100%, 25%
HSV	310°, 100%, 49%
XYZ	10.9561, 5.3595, 13.5537
YIQ	49.2310, 41.1160, 58.8440

# Conversions

## Conversions Part 2

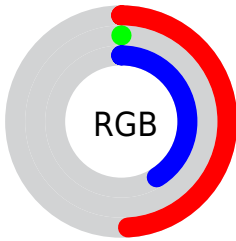
<b>Format</b>	<b>Color</b>
<b>RYB</b>	125, 0, 104
Decimal	8192104
CIELab	27.74, 54.82, -24.46
CIELCh	28, 60.031, 335.960
Yxy	5.3595, 0.3668, 0.1794
Android (android.graphics.Color)	4286382184 (0xFF7D0068)
YUV	49.2310, 27.0011, 66.4494
Hunter-Lab	23.1505, 43.9631, -18.5067

# Details

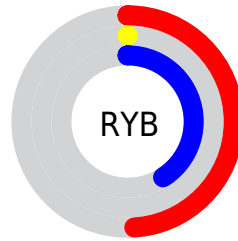
The Hex color **7D0068** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **007D15**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **B5469C**, and **470038** is the 20% darker color. If you saturate the color by 10%, you get **7D0068**, and if you desaturate by 10%, it is **7D0C6A**.

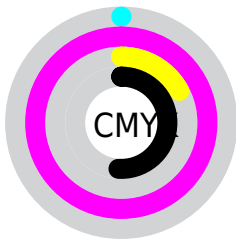
# Distribution



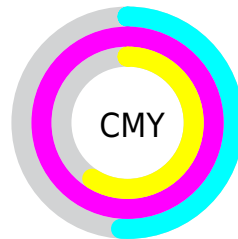
- Red (49%)
- Green (0%)
- Blue (41%)



- Red (49%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (17%)
- Black (51%)



- Cyan (51%)
- Magenta (100%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7D0068 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 7D0068 by changing the saturation by 10% instead.



 7D0068

 7D0068

FFFFFF

 620050

 B5469C

 470038

 D261B6

 2F0023

 EF7DD2

 010008

 FF98EF

 000000

 FFB4FF

 FFD1FF

 FFEEFF

 7D0068

 7D0C6A

 7D196C

 7D266E

 7D3270

 7D3F73

 7D4B75

 7D5777

 7D6479

 7D717B

# Harmonies

## Analogous

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



482F8D



7D0068



8E003B

# Triad

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



7D0068



494300



005477

# Complementary

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



7D0068



007D15

# 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.



00544A



7D0068



134D00

# Square

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



7D0068



6E3000



005218



005097

# Rectangle

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



7D0068



8C001D



005218



005469



# Sweetspot

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



7D0068



A3729B



15007D



52344D



D1D1D1



525252



# Same Dimension

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



7D0068



A30088



7D002A



40393F



80006A



000000



# Inverse Universe

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



7D0068



A30088



007D53



40393F



80006A



000000



# Previews

## White Background



This preview shows how the Hex color 7D0068 looks on a white background.

## Color Contrast Check

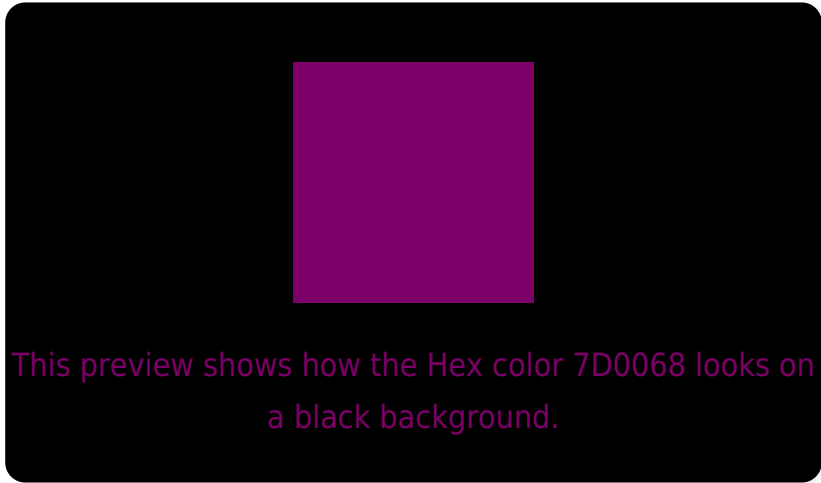
Large Text (above 18pt) WCAG AA ✓ Pass

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

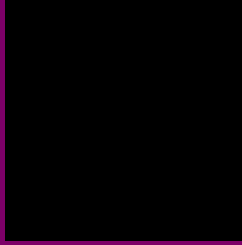
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7D0068 Background



This preview shows how black text looks on a background with the Hex color 7D0068.

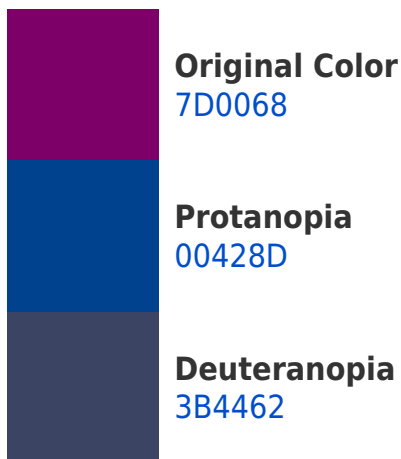


This preview shows how white text looks on a background with the Hex color 7D0068.

# 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**  
78292B

# Trichromacy



**Original Color**  
7D0068



**Protanomaly**  
2D2A80



**Deuteranomaly**  
532B64



**Tritanomaly**  
7A1A41

# Monochromacy



**Original Color**  
7D0068



**Achromatopsia**  
313131



**Achromatomaly**  
4D1F45

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7D0068 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 #7D0068 looks like.

```
.text, #text, p{  
    color:#7D0068  
}
```

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 #7D0068 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7D0068
}
```

## Border

The CSS property to change the border of an element to Hex 7D0068 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
#7D0068 }
```

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

```
.border{ border-color:#7D0068 }
```

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

Here you see how a box with a 4 pixel #7D0068 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7D0068; -webkit-box-shadow:4px 4px  
4px 4px #7D0068; box-shadow:4px 4px 4px  
4px #7D0068 }
```

# Background

The CSS property to change the background color of an element to Hex 7D0068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7D0068 }
```

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

```
.background{ background-color:#7D0068 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor