

# Converting Colors

Hex(7F00CF)

Have a look what the booklet for  
Hex(7F00CF) contains.

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**Color**

**Hex(7F00CF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7F00CF
RGB	127, 0, 207
RGB Percent	50%, 0%, 81%
CMY	0.5020, 1.0000, 0.1882
CMYK	0.39, 1.00, 0.00, 0.19
HSL	277°, 100%, 41%
HSV	277°, 100%, 81%
XYZ	20.0149, 9.0170, 59.7170
YIQ	61.5710, 9.2450, 91.3010

# Conversions

## Conversions Part 2

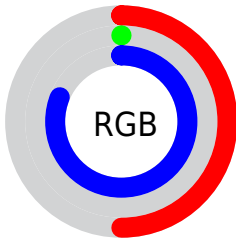
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	127, 0, 207
Decimal	8323279
CIE <sub>Lab</sub>	36.02, 73.26, -74.03
CIE <sub>LCh</sub>	36, 104.146, 314.701
Yxy	9.0170, 0.2255, 0.1016
Android (android.graphics.Color)	4286513359 (0xFF7F00CF)
YUV	61.5710, 71.6965, 57.3812
Hunter-Lab	30.0284, 66.4265, -96.8895

# Details

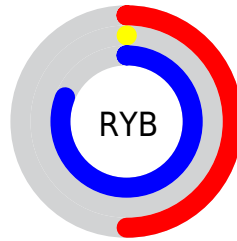
The Hex color **7F00CF** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **50CF00**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **BB4EFF**, and **410097** is the 20% darker color. If you saturate the color by 10%, you get **7F00CF**, and if you desaturate by 10%, it is **8715CF**.

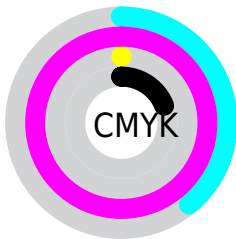
# Distribution



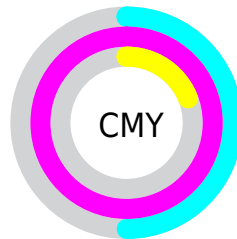
- Red (50%)
- Green (0%)
- Blue (81%)



- Red (50%)
- Yellow (0%)
- Blue (81%)



- Cyan (39%)
- Magenta (100%)
- Yellow (0%)
- Black (19%)



- Cyan (50%)
- Magenta (100%)
- Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7F00CF 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 7F00CF by changing the saturation by 10% instead.



 7F00CF

 7F00CF

FFFFFF

 6100B3

 BB4EFF

 410097

 D96BFF

 1C007C

 F787FF

 000062

 FFA4FF

 000049

 FFC0FF

 000432

 FFDEFF

 00011C

 FFFBFF

 000000

 7F00CF

 8715CF

 8F29CF

 973ECF

 9F53CF

 A768CF

 AF7CCF

 B791CF

 BFA6CF

 C7BACF

# Harmonies

## Analogous

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



0056FD



7F00CF



CB0083

# Triad

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



7F00CF



8A4000



00717E

# Complementary

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



7F00CF



50CF00

# 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.



006E23



7F00CF



405E00

# Square

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



7F00CF



BE0000



006A00



0072CC

# Rectangle

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



7F00CF



D9004D



006A00



007061



# Sweetspot

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



7F00CF



E1B3FF



0053CF



6E5280



000000



808080



# Same Dimension

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



7F00CF



9C00FF



CF00BA



655E69



6700A8



190029



# Inverse Universe

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



CF0050



FF0063



00CF15



695E62



A80041



290010



# Previews

## White Background



This preview shows how the Hex color 7F00CF looks on a white background.

## Color Contrast Check

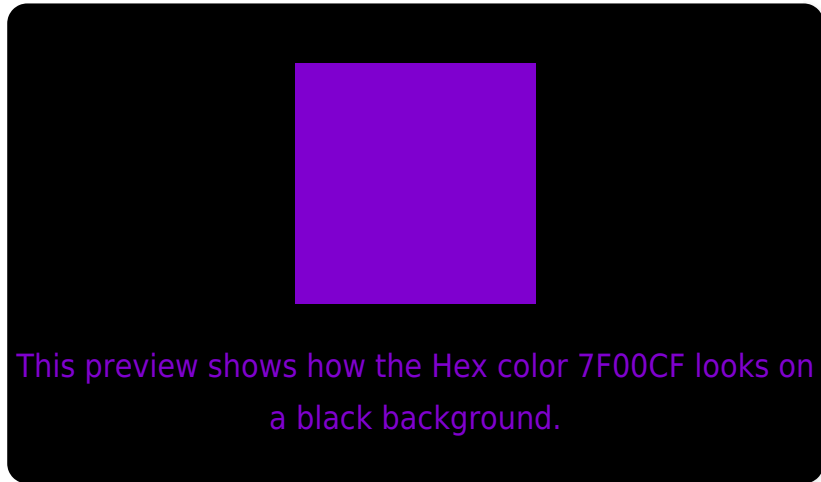
Large Text (above 18pt) WCAG AA ✓ Pass

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

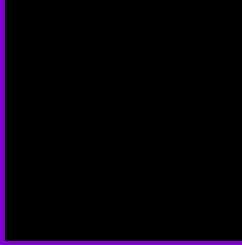
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7F00CF Background



This preview shows how black text looks on a background with the Hex color 7F00CF.

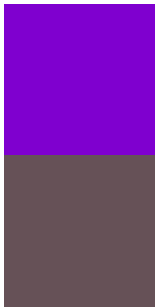


This preview shows how white text looks on a background with the Hex color 7F00CF.

# 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**  
7F00CF

**Tritanopia**  
665157

# Trichromacy



**Original Color**  
7F00CF



**Tritanomaly**  
6F3483

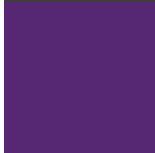
# Monochromacy



**Original Color**  
7F00CF



**Achromatopsia**  
3E3E3E



**Achromatomaly**  
562773

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7F00CF 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 #7F00CF looks like.

```
.text, #text, p{  
    color:#7F00CF  
}
```

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 #7F00CF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7F00CF
}
```

## Border

The CSS property to change the border of an element to Hex 7F00CF 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".

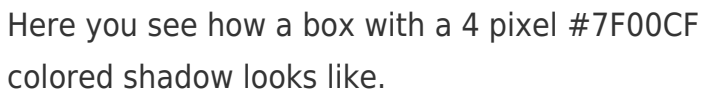
```
.border, #border, table{ border:4px solid
#7F00CF }
```

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

```
.border{ border-color:#7F00CF }
```

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

Here you see how a box with a 4 pixel #7F00CF colored shadow looks like.

A rectangular box with a thick purple border and a purple shadow. The box is white with a purple border and a purple shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7F00CF; -webkit-box-shadow:4px 4px  
4px 4px #7F00CF; box-shadow:4px 4px 4px  
4px #7F00CF }
```

# Background

The CSS property to change the background color of an element to Hex 7F00CF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7F00CF }
```

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

```
.background{ background-color:#7F00CF }
```

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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