

# Converting Colors

Hex(7F42DB)

Have a look what the booklet for  
Hex(7F42DB) contains.

<b>Hex(7F42DB)</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(7F42DB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7F42DB
RGB	127, 66, 219
RGB Percent	50%, 26%, 86%
CMY	0.5020, 0.7412, 0.1412
CMYK	0.42, 0.70, 0.00, 0.14
HSL	264°, 68%, 56%
HSV	264°, 70%, 86%
XYZ	23.4868, 13.5229, 68.3901
YIQ	101.6810, -12.7570, 60.5150

# Conversions

## Conversions Part 2

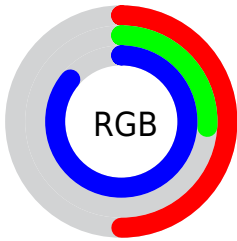
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	127, 66, 219
Decimal	8340187
CIE Lab	43.54, 57.12, -68.62
CIE LCh	44, 89.285, 309.772
Yxy	13.5229, 0.2228, 0.1283
Android (android.graphics.Color)	4286530267 (0xFF7F42DB)
YUV	101.6810, 57.8383, 22.2048
Hunter-Lab	36.7735, 49.6520, -84.5240

# Details

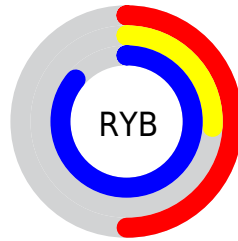
The Hex color **7F42DB** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **9EDB42**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **BA76FF**, and **4306A3** is the 20% darker color. If you saturate the color by 10%, you get **722CDB**, and if you desaturate by 10%, it is **8C58DB**.

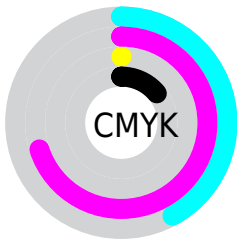
# Distribution



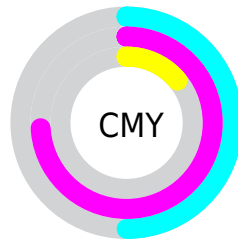
- Red (50%)
- Green (26%)
- Blue (86%)



- Red (50%)
- Yellow (26%)
- Blue (86%)



- Cyan (42%)
- Magenta (70%)
- Yellow (0%)
- Black (14%)



- Cyan (50%)
- Magenta (74%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7F42DB 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 7F42DB by changing the saturation by 10% instead.



 7F42DB

 7F42DB

FFFFFF

 6127BF

 BA76FF

 4306A3

 D891FF

 1E0088

 F6ADFF

 00006E

 FFC9FF

 000054

 FFE6FF

 00063C

 000225

 00010E

 000000

 7F42DB

 7F42DB

 722CDB

 8C58DB

 6516DB

 996EDB

 5700DB

 A784DB

 B49ADB

 C1B0DB

 CEC5DB

 DBDBDB

 E8F1DB

 F6FFDB

# Harmonies

## Analogous

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



006AFC



7F42DB



CC009C

# Triad

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



7F42DB



A54F00



00837E

# Complementary

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



7F42DB



9EDB42

# 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.



00812E



7F42DB



686C00

# Square

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



7F42DB



D00202



007A00



0083C6

# Rectangle

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



7F42DB



DF006B



007A00



008364



# Sweetspot

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



7F42DB



DFC9FF



42A0DB



6C6080



000000



808080



# Same Dimension

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



7F42DB



7E29FF



C942DB



67636E



4500AD



12002E



# Inverse Universe

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



DB429E



FF29AA



54DB42



6E6369



AD0068

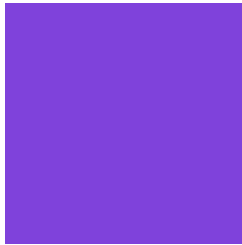


2E001C



# Previews

## White Background



This preview shows how the Hex color 7F42DB looks on a white background.

## Color Contrast Check

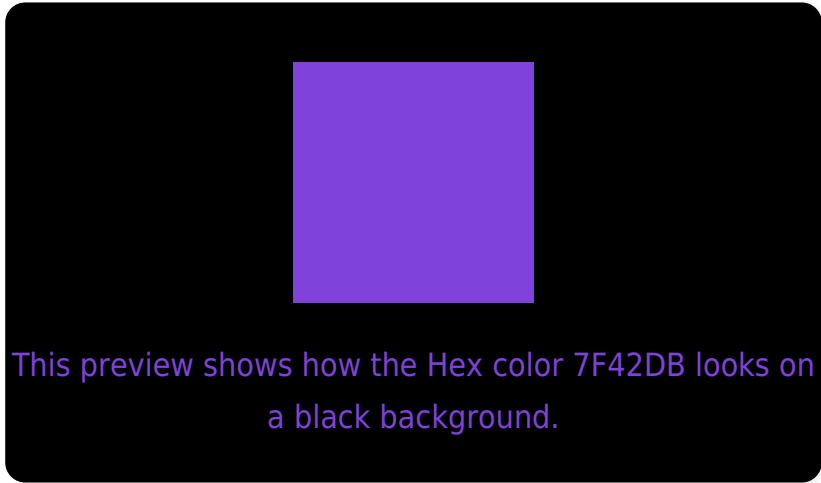
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 7F42DB Background



This preview shows how black text looks on a background with the Hex color 7F42DB.

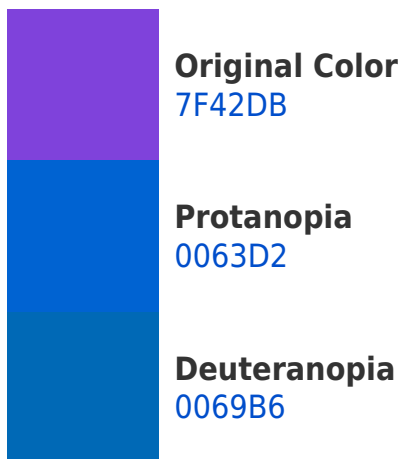



This preview shows how white text looks on a background with the Hex color 7F42DB.

# 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](#).

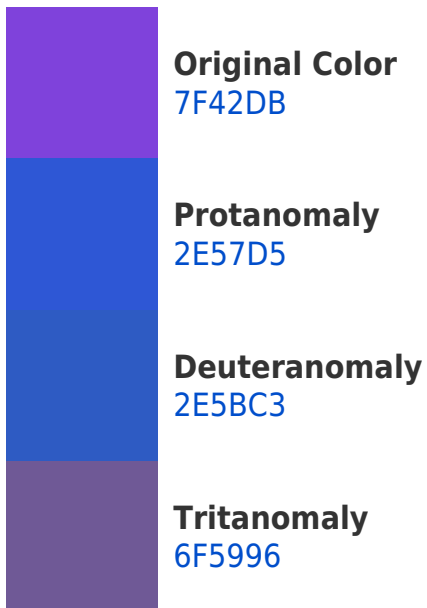
## Dichromacy



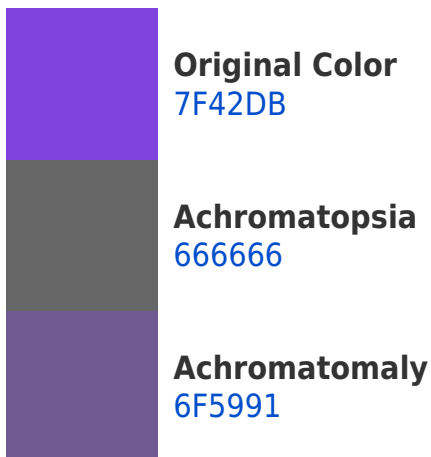


**Tritanopia**  
6666E

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7F42DB 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 #7F42DB looks like.

```
.text, #text, p{  
    color:#7F42DB  
}
```

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 #7F42DB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7F42DB
}
```

## Border

The CSS property to change the border of an element to Hex 7F42DB 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".

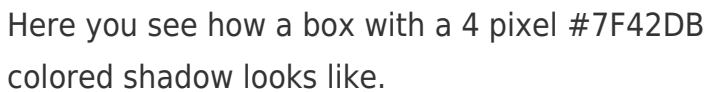
```
.border, #border, table{ border:4px solid
#7F42DB }
```

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

```
.border{ border-color:#7F42DB }
```

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

Here you see how a box with a 4 pixel #7F42DB 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 #7F42DB; -webkit-box-shadow:4px 4px  
4px 4px #7F42DB; box-shadow:4px 4px 4px  
4px #7F42DB }
```

# Background

The CSS property to change the background color of an element to Hex 7F42DB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7F42DB }
```

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

```
.background{ background-color:#7F42DB }
```

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