

# Converting Colors

Hex(7A2DDE)

Have a look what the booklet for  
Hex(7A2DDE) contains.

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# Color

**Hex(7A2DDE)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A2DDE
RGB	122, 45, 222
RGB Percent	48%, 18%, 87%
CMY	0.5216, 0.8235, 0.1294
CMYK	0.45, 0.80, 0.00, 0.13
HSL	266°, 73%, 52%
HSV	266°, 80%, 87%
XYZ	22.1492, 11.2883, 70.1187
YIQ	88.2010, -10.9250, 71.3710

# Conversions

## Conversions Part 2

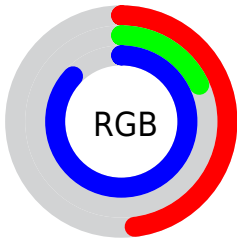
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	122, 45, 222
Decimal	8007134
CIE <sub>Lab</sub>	40.06, 66.04, -76.05
CIE <sub>LCh</sub>	40, 100.726, 310.970
Yxy	11.2883, 0.2139, 0.1090
Android (android.graphics.Color)	4286197214 (0xFF7A2DDE)
YUV	88.2010, 65.9629, 29.6417
Hunter-Lab	33.5980, 58.8782, -100.2189

# Details

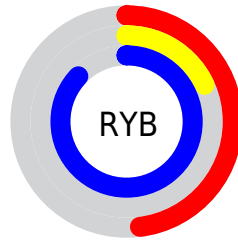
The Hex color **7A2DDE** is a dark color, and the websafe version is hex **6600CC**. The color can be described as dark washed purple. A complement of this color would be **91DE2D**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **B665FF**, and **3A00A5** is the 20% darker color. If you saturate the color by 10%, you get **6D17DE**, and if you desaturate by 10%, it is **8743DE**.

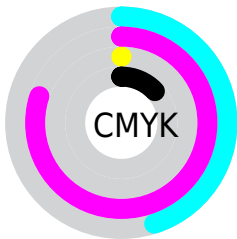
# Distribution



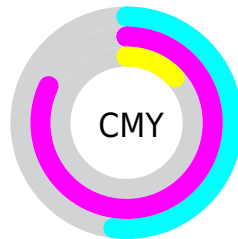
- Red (48%)
- Green (18%)
- Blue (87%)



- Red (48%)
- Yellow (18%)
- Blue (87%)



- Cyan (45%)
- Magenta (80%)
- Yellow (0%)
- Black (13%)



- Cyan (52%)
- Magenta (82%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7A2DDE 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 7A2DDE by changing the saturation by 10% instead.



 7A2DDE

 7A2DDE

FFFFFF

 5B07C1

 B665FF

 3A00A5

 D480FF

 07008A

 F39BFF

 000070

 FFB8FF

 000056

 FFD4FF

 00063E

 FFF1FF

 000327

 000110

 000000

 7A2DDE

 7A2DDE

 6D17DE

 8743DE

 6101DE

 9359DE

 6100DE

 A070DE

 AC86DE

 B99CDE

 C5B2DE

 D2C8DE

 DEDFDE

 EBF5DE

# Harmonies

## Analogous

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



0062FF



7A2DDE



CF0096

# Triad

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



7A2DDE



9D4500



007B7C

# Complementary

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



7A2DDE



91DE2D

# 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.



007922



7A2DDE



586500

# Square

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



7A2DDE



CE0000



007300



007CCB

# Rectangle

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



7A2DDE



E20060



007300



007B5F



# Sweetspot

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



7A2DDE



DCC2FF



2D91DE



6B5B80



000000



808080



# Same Dimension

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



7A2DDE



750AFF



D22DDE



6A6570



4D00B0



150030



# Inverse Universe

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



DE2D91



FF0A95



39DE2D



70656B



B00063

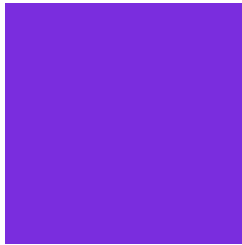


30001B



# Previews

## White Background



This preview shows how the Hex color 7A2DDE looks on a white background.

## Color Contrast Check

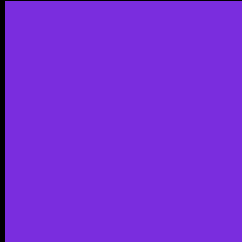
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 7A2DDE looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

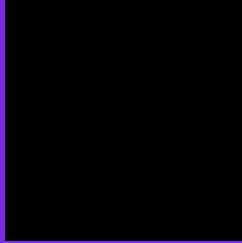
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7A2DDE Background



This preview shows how black text looks on a background with the Hex color 7A2DDE.

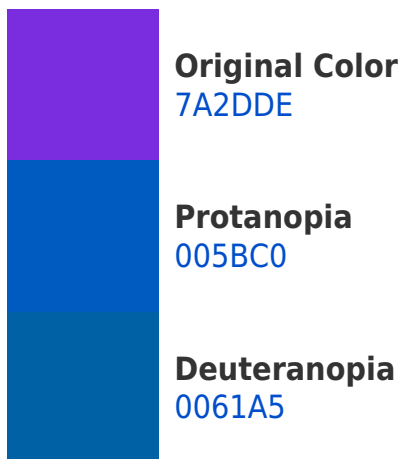



This preview shows how white text looks on a background with the Hex color 7A2DDE.

# 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**  
5C5E66

# Trichromacy



**Original Color**

7A2DDE



**Protanomaly**

2C4ACB



**Deuteranomaly**

2C4EBA



**Tritanomaly**

674C92

# Monochromacy



**Original Color**

7A2DDE



**Achromatopsia**

585858



**Achromatomaly**

644889

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7A2DDE 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 #7A2DDE looks like.

```
.text, #text, p{  
    color:#7A2DDE  
}
```

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 #7A2DDE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7A2DDE
}
```

## Border

The CSS property to change the border of an element to Hex 7A2DDE 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".

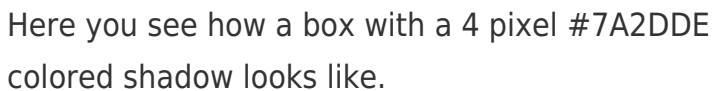
```
.border, #border, table{ border:4px solid
#7A2DDE }
```

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

```
.border{ border-color:#7A2DDE }
```

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

Here you see how a box with a 4 pixel #7A2DDE colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7A2DDE; -webkit-box-shadow:4px 4px  
4px 4px #7A2DDE; box-shadow:4px 4px 4px  
4px #7A2DDE }
```

# Background

The CSS property to change the background color of an element to Hex 7A2DDE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7A2DDE }
```

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

```
.background{ background-color:#7A2DDE }
```

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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