

# Converting Colors

Hex(7B2299)

Have a look what the booklet for  
Hex(7B2299) contains.

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**Color**

**Hex(7B2299)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7B2299
RGB	123, 34, 153
RGB Percent	48%, 13%, 60%
CMY	0.5176, 0.8667, 0.4000
CMYK	0.20, 0.78, 0.00, 0.40
HSL	285°, 64%, 37%
HSV	285°, 78%, 60%
XYZ	14.4902, 7.6549, 30.8508
YIQ	74.1770, 14.8450, 55.8770

# Conversions

## Conversions Part 2

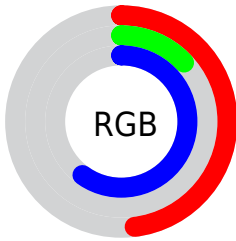
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 34, 153
Decimal	8069785
CIE <sub>Lab</sub>	33.25, 54.80, -46.44
CIE <sub>LCh</sub>	33, 71.835, 319.723
Yxy	7.6549, 0.2734, 0.1444
Android (android.graphics.Color)	4286259865 (0xFF7B2299)
YUV	74.1770, 38.8597, 42.8178
Hunter-Lab	27.6675, 45.0668, -46.7444

# Details

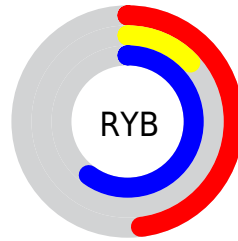
The Hex color **7B2299** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **409922**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **B359D0**, and **450065** is the 20% darker color. If you saturate the color by 10%, you get **771399**, and if you desaturate by 10%, it is **7F3199**.

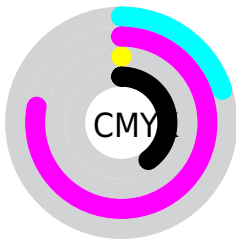
# Distribution



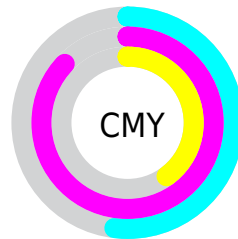
- Red (48%)
- Green (13%)
- Blue (60%)



- Red (48%)
- Yellow (13%)
- Blue (60%)



- Cyan (20%)
- Magenta (78%)
- Yellow (0%)
- Black (40%)



- Cyan (52%)
- Magenta (87%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B2299 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 7B2299 by changing the saturation by 10% instead.



 7B2299

 7B2299

FFFFFF

 60007F

 B359D0

 450065

 D074ED

 2B004C

 ED8FFF

 0D0035

 FFABFF

 00021E

 FFC7FF

 000001

 FFE4FF

 000000

 7B2299

 7B2299

 771399

 7F3199

730399

834199

720099

875099

8A5F99

8E6E99

927E99

968D99

9A9C99

9EAC99

# Harmonies

## Analogous

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



0049BC



7B2299



A50064

# Triad

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



7B2299



704500



006473

# Complementary

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



7B2299



409922

# 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.



006338



7B2299



3D5700

# Square

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



7B2299



972200



005F00



0063A5

# Rectangle

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



7B2299



AD003F



005F00



006460



# Sweetspot

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



7B2299



BB99C7



224299



5C4863



E3E3E3



636363



# Same Dimension

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



7B2299



980EC7



99227D



4B454D



69008C



0A000D



# Inverse Universe

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



992240



C70E3D



22993E



4D4547



8C0023



0D0003



# Previews

## White Background



This preview shows how the Hex color 7B2299 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

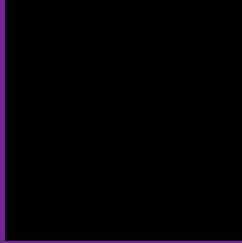
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7B2299 Background



This preview shows how black text looks on a background with the Hex color 7B2299.

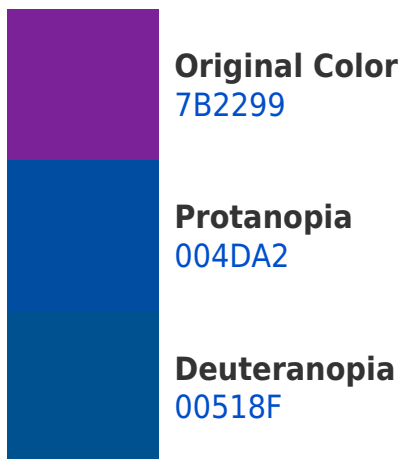


This preview shows how white text looks on a background with the Hex color 7B2299.

# 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**  
6F4247

# Trichromacy



**Original Color**

7B2299



**Protanomaly**

2D3D9F



**Deuteranomaly**

2D4093



**Tritanomaly**

733665

# Monochromacy



**Original Color**

7B2299



**Achromatopsia**

4A4A4A



**Achromatomaly**

5C3B67

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B2299 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 #7B2299 looks like.

```
.text, #text, p{  
    color:#7B2299  
}
```

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 #7B2299 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B2299
}
```

## Border

The CSS property to change the border of an element to Hex 7B2299 is called "border". The border property can be set on classes, ids or directly on the HTML element.

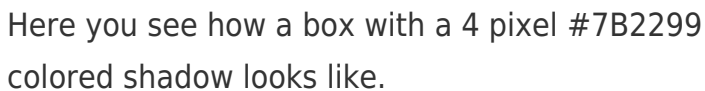
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7B2299 }
```

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

```
.border{ border-color:#7B2299 }
```

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



Here you see how a box with a 4 pixel #7B2299 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B2299; -webkit-box-shadow:4px 4px  
4px 4px #7B2299; box-shadow:4px 4px 4px  
4px #7B2299 }
```

# Background

The CSS property to change the background color of an element to Hex 7B2299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B2299 }
```

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

```
.background{ background-color:#7B2299 }
```

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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