

# Converting Colors

Hex(7A2F9D)

Have a look what the booklet for  
Hex(7A2F9D) contains.

<b>Hex(7A2F9D)</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(7A2F9D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A2F9D
RGB	122, 47, 157
RGB Percent	48%, 18%, 62%
CMY	0.5216, 0.8157, 0.3843
CMYK	0.22, 0.70, 0.00, 0.38
HSL	281°, 54%, 40%
HSV	281°, 70%, 62%
XYZ	15.1284, 8.6049, 32.7619
YIQ	81.9650, 9.3900, 50.1100

# Conversions

## Conversions Part 2

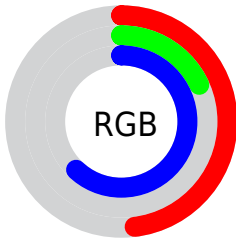
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	122, 47, 157
Decimal	8007581
CIE Lab	35.21, 50.23, -45.72
CIE LCh	35, 67.921, 317.689
Yxy	8.6049, 0.2678, 0.1523
Android (android.graphics.Color)	4286197661 (0xFF7A2F9D)
YUV	81.9650, 36.9923, 35.1107
Hunter-Lab	29.3342, 40.7221, -45.6841

# Details

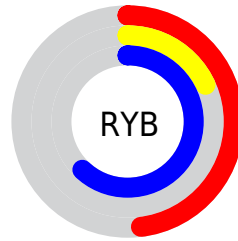
The Hex color **7A2F9D** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **529D2F**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **B263D4**, and **440069** is the 20% darker color. If you saturate the color by 10%, you get **751F9D**, and if you desaturate by 10%, it is **7F3F9D**.

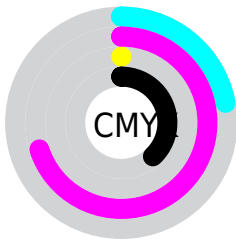
# Distribution



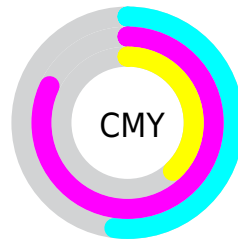
- Red (48%)
- Green (18%)
- Blue (62%)



- Red (48%)
- Yellow (18%)
- Blue (62%)



- Cyan (22%)
- Magenta (70%)
- Yellow (0%)
- Black (38%)



- Cyan (52%)
- Magenta (82%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7A2F9D 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 7A2F9D by changing the saturation by 10% instead.



7A2F9D

7A2F9D

FFFFFF

5F1282

B263D4

440069

CE7EF1

2A0050

EB99FF

0F0038

FFB4FF

000222

FFD1FF

000007

FFEDFF

000000

7A2F9D

7A2F9D

751F9D

7F3F9D

70109D

844E9D

6B009D

895E9D

8E6E9D

937E9D

988D9D

9D9D9D

A2AD9D

A7BC9D

# Harmonies

## Analogous

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



004FBC



7A2F9D



A5006C

# Triad

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



7A2F9D



784800



006973

# Complementary

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



7A2F9D



529D2F

# 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.



00673A



7A2F9D



485A00

# Square

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



7A2F9D



9C2900



006300



0067A3

# Rectangle

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



7A2F9D



AE0048



006300



006960



# Sweetspot

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



7A2F9D



BEA1CC



2F549D



5E4D66



E6E6E6



666666



# Same Dimension

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



7A2F9D



9521CC



9D2F8B



4D474F



61008F



0A000F



# Inverse Universe

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



9D2F52



CC2157



2F9D41



4F474A



8F002D



0F0005



# Previews

## White Background



This preview shows how the Hex color 7A2F9D looks on a white background.

## Color Contrast Check

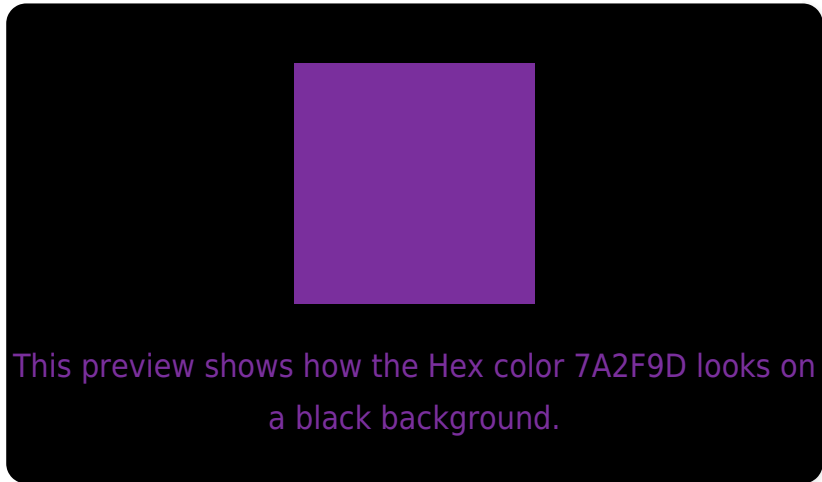
Large Text (above 18pt) WCAG AA ✓ Pass

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

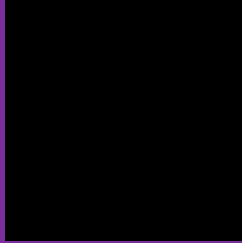
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7A2F9D Background



This preview shows how black text looks on a background with the Hex color 7A2F9D.

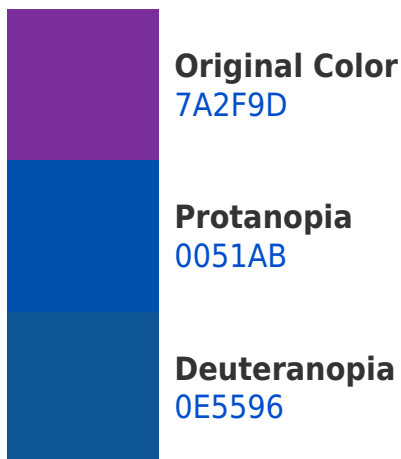



This preview shows how white text looks on a background with the Hex color 7A2F9D.

# 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**  
6E494F

# Trichromacy



**Original Color**

7A2F9D



**Protanomaly**

2C45A6



**Deuteranomaly**

354799



**Tritanomaly**

72406B

# Monochromacy



**Original Color**

7A2F9D



**Achromatopsia**

525252



**Achromatomaly**

61456D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7A2F9D 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 #7A2F9D looks like.

```
.text, #text, p{  
    color:#7A2F9D  
}
```

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 #7A2F9D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7A2F9D
}
```

## Border

The CSS property to change the border of an element to Hex 7A2F9D 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
#7A2F9D }
```

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

```
.border{ border-color:#7A2F9D }
```

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

Here you see how a box with a 4 pixel #7A2F9D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7A2F9D; -webkit-box-shadow:4px 4px  
4px 4px #7A2F9D; box-shadow:4px 4px 4px  
4px #7A2F9D }
```

# Background

The CSS property to change the background color of an element to Hex 7A2F9D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7A2F9D }
```

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

```
.background{ background-color:#7A2F9D }
```

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