

# Converting Colors

Hex(7B78DA)

Have a look what the booklet for  
Hex(7B78DA) contains.

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# **Color**

**Hex(7B78DA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7B78DA
RGB	123, 120, 218
RGB Percent	48%, 47%, 85%
CMY	0.5176, 0.5294, 0.1451
CMYK	0.44, 0.45, 0.00, 0.15
HSL	242°, 57%, 66%
HSV	242°, 45%, 85%
XYZ	27.5397, 22.7059, 69.2608
YIQ	132.0690, -29.6700, 31.1140

# Conversions

## Conversions Part 2

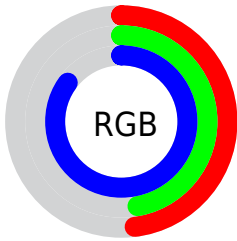
Format	Color
<a href="#">RYB</a>	<a href="#">123, 120, 218</a>
Decimal	<a href="#">8091866</a>
CIELab	<a href="#">54.77, 25.82, -49.99</a>
CIELCh	<a href="#">55, 56.267, 297.321</a>
Yxy	<a href="#">22.7059, 0.2304, 0.1900</a>
Android (android.graphics.Color)	<a href="#">4286281946</a> ( <a href="#">0xFF7B78DA</a> )
YUV	<a href="#">132.0690, 42.3640, -7.9535</a>
Hunter-Lab	<a href="#">47.6507, 19.7756, -52.8233</a>

# Details

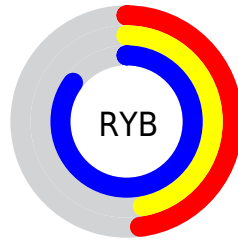
The Hex color **7B78DA** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **D7DA78**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **B4ACFF**, and **4348A2** is the 20% darker color. If you saturate the color by 10%, you get **6662DA**, and if you desaturate by 10%, it is **908EDA**.

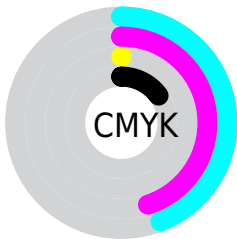
# Distribution



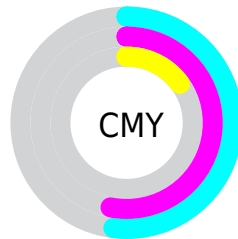
- Red (48%)
- Green (47%)
- Blue (85%)



- Red (48%)
- Yellow (47%)
- Blue (85%)



- Cyan (44%)
- Magenta (45%)
- Yellow (0%)
- Black (15%)



- Cyan (52%)
- Magenta (53%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B78DA 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 7B78DA by changing the saturation by 10% instead.



■ 7B78DA

■ 7B78DA

FFFFFF

■ 5F5FBE

■ B4ACFF

■ 4348A2

■ D0C8FF

■ 233188

■ EEE4FF

■ 001C6E

■ 000755

■ 00033D

■ 000326

■ 00010F

■ 000000

7B78DA

7B78DA

6662DA

908EDA

514CDA

A5A4DA

3C37DA

BAB9DA

2621DA

D0CFDA

110BDA

E5E5DA

0700DA

FAFBDA

FFFFDA

# Harmonies

## Analogous

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



008AE5



7B78DA



BA63B8

# Triad

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



7B78DA



C46C30



009A7D

# Complementary

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



7B78DA



D7DA78

# 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.



27964C



7B78DA



A07F14

# Square

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



7B78DA



D95A59



708D23



009AAE

# Rectangle

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



7B78DA



D1579A



708D23



00996C



# Sweetspot

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



7B78DA



DFDEFF



78D8DA



6C6B80



000000



808080



# Same Dimension

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



7B78DA



7A75FF



AB78DA



63636E



0500AD



01002E



# Inverse Universe

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



DA78D7



FF75FB



A7DA78



6E636D



AD00A8

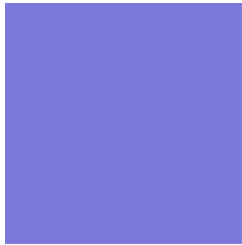


2E002C



# Previews

## White Background



This preview shows how the Hex color 7B78DA looks on a white background.

## Color Contrast Check

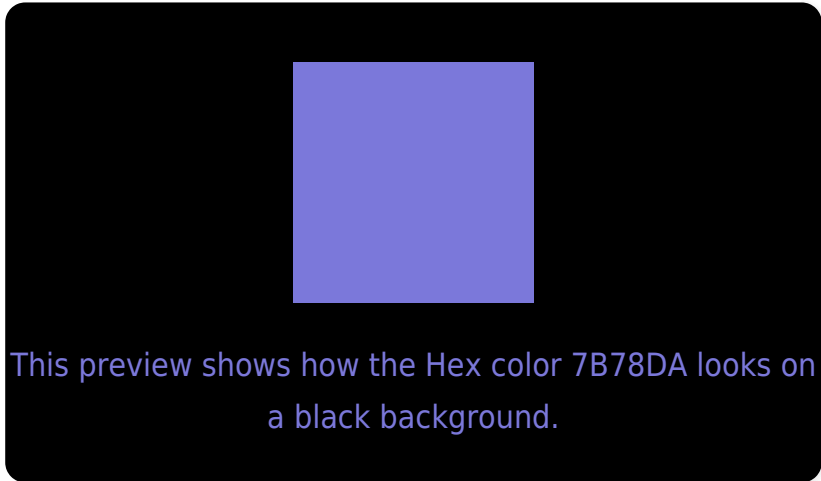
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black 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

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



## Hex 7B78DA Background



This preview shows how black text looks on a background with the Hex color 7B78DA.

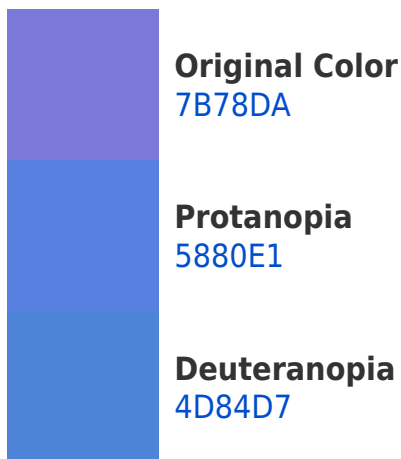


This preview shows how white text looks on a background with the Hex color 7B78DA.

# 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](#).

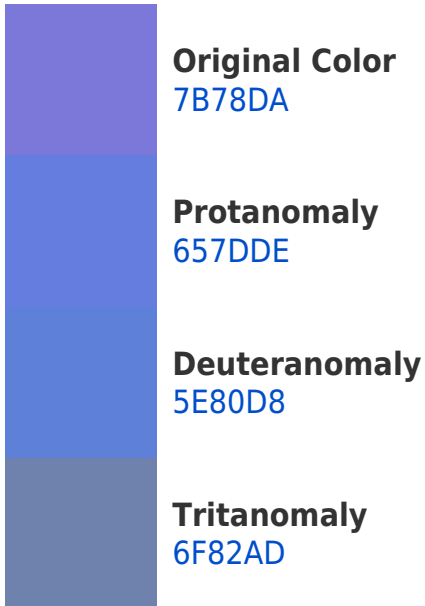
## Dichromacy





**Tritanopia**  
688893

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B78DA 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 #7B78DA looks like.

```
.text, #text, p{  
    color:#7B78DA  
}
```

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 #7B78DA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B78DA
}
```

## Border

The CSS property to change the border of an element to Hex 7B78DA 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
#7B78DA }
```

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

```
.border{ border-color:#7B78DA }
```

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

Here you see how a box with a 4 pixel #7B78DA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B78DA; -webkit-box-shadow:4px 4px  
4px 4px #7B78DA; box-shadow:4px 4px 4px  
4px #7B78DA }
```

# Background

The CSS property to change the background color of an element to Hex 7B78DA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B78DA }
```

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

```
.background{ background-color:#7B78DA }
```

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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