

# Converting Colors

Hex(7B83D1)

Have a look what the booklet for  
Hex(7B83D1) contains.

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# **Color**

**Hex(7B83D1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7B83D1
RGB	123, 131, 209
RGB Percent	48%, 51%, 82%
CMY	0.5176, 0.4863, 0.1804
CMYK	0.41, 0.37, 0.00, 0.18
HSL	234°, 48%, 65%
HSV	234°, 41%, 82%
XYZ	27.7933, 25.0470, 63.6913
YIQ	137.5000, -29.8060, 22.5620

# Conversions

## Conversions Part 2

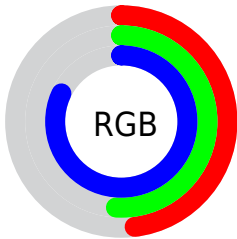
Format	Color
R <sub>Y</sub> B	123, 130, 209
Decimal	8094673
CIE Lab	57.12, 16.69, -41.19
CIE LCh	57, 44.448, 292.061
Yxy	25.0470, 0.2385, 0.2149
Android (android.graphics.Color)	4286284753 (0xFF7B83D1)
YUV	137.5000, 35.2495, -12.7165
Hunter-Lab	50.0470, 11.5467, -40.4213

# Details

The Hex color **7B83D1** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **D1C97B**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **B3B8FF**, and **45529A** is the 20% darker color. If you saturate the color by 10%, you get **6670D1**, and if you desaturate by 10%, it is **9096D1**.

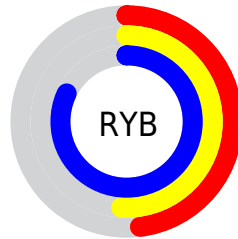
# Distribution



Red (48%)

Green (51%)

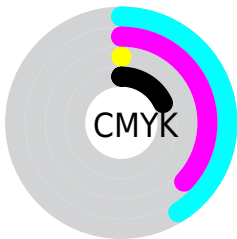
Blue (82%)



Red (48%)

Yellow (51%)

Blue (82%)

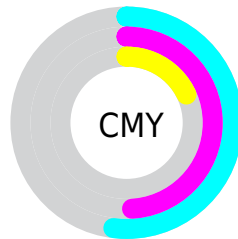


Cyan (41%)

Magenta (37%)

Yellow (0%)

Black (18%)



Cyan (52%)

Magenta (49%)

Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B83D1 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 7B83D1 by changing the saturation by 10% instead.



■ 7B83D1

■ 7B83D1

FFFFFF

■ 606AB5

■ B3B8FF

■ 45529A

■ CFD3FF

■ 283B80

■ ECF0FF

■ 002666

■ 00124E

■ 000136

■ 000220

■ 000004

■ 000000

■ 7B83D1

■ 7B83D1

■ 6670D1

■ 9096D1

■ 515DD1

■ A5A9D1

■ 3C4AD1

■ BABCD1

■ 2737D1

■ CFCFD1

■ 1224D1

■ E4E2D1

■ 0013D1

■ F8F5D1

■ FFFFD1

# Harmonies

## Analogous

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



1790D6



7B83D1



AF74B9

# Triad

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



7B83D1



C4754D



009C7D

# Complementary

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



7B83D1



D1C97B

# 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.



559858



7B83D1



A9833A

# Square

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



7B83D1



D26A6E



83903E



009CA5

# Rectangle

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



7B83D1



C56CA2



83903E



269B70



# Sweetspot

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



7B83D1



E0E3FF



7BD1C8



6E6F80



000000



808080



# Same Dimension

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



7B83D1



828EFF



9D7BD1



5E5F69



0010A8



000429



# Inverse Universe

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



D17B83



FF828E



AFD17B



695E5F



A80010

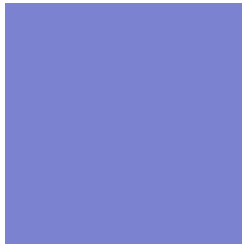


290004



# Previews

## White Background



This preview shows how the Hex color 7B83D1 looks on a white background.

## Color Contrast Check

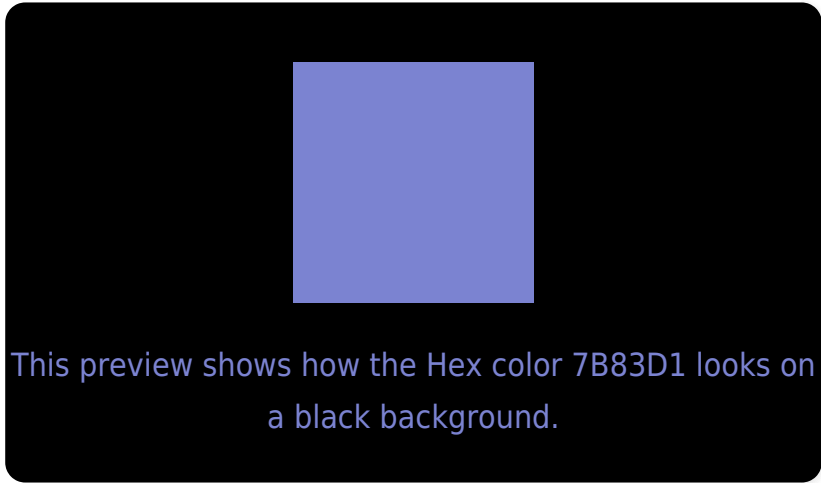
Large Text (above 18pt) WCAG AA ✓ Pass

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

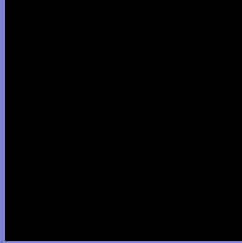
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7B83D1 Background



This preview shows how black text looks on a background with the Hex color 7B83D1.



This preview shows how white text looks on a background with the Hex color 7B83D1.

# 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](#).

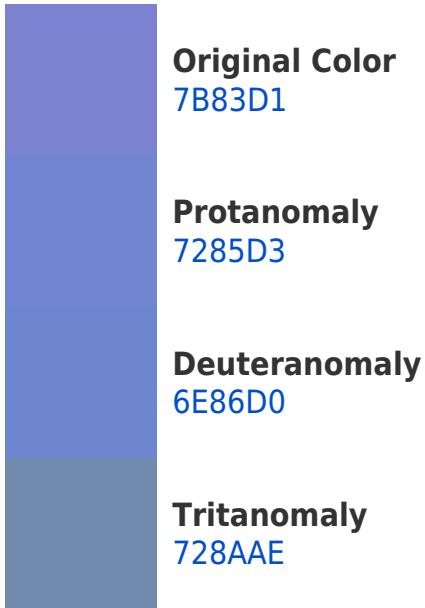
## Dichromacy



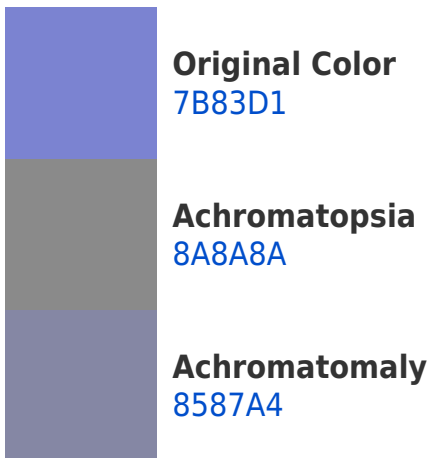


**Tritanopia**  
6D8E9A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B83D1 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 #7B83D1 looks like.

```
.text, #text, p{  
    color:#7B83D1  
}
```

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 #7B83D1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B83D1
}
```

## Border

The CSS property to change the border of an element to Hex 7B83D1 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
#7B83D1 }
```

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

```
.border{ border-color:#7B83D1 }
```

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

Here you see how a box with a 4 pixel #7B83D1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B83D1; -webkit-box-shadow:4px 4px  
4px 4px #7B83D1; box-shadow:4px 4px 4px  
4px #7B83D1 }
```

# Background

The CSS property to change the background color of an element to Hex 7B83D1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B83D1 }
```

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

```
.background{ background-color:#7B83D1 }
```

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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