

# Converting Colors

Hex(7B87C4)

Have a look what the booklet for  
Hex(7B87C4) contains.

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# **Color**

**Hex(7B87C4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7B87C4
RGB	123, 135, 196
RGB Percent	48%, 53%, 77%
CMY	0.5176, 0.4706, 0.2314
CMYK	0.37, 0.31, 0.00, 0.23
HSL	230°, 38%, 63%
HSV	230°, 37%, 77%
XYZ	26.7962, 25.5244, 55.7389
YIQ	138.3660, -26.7330, 16.4270

# Conversions

## Conversions Part 2

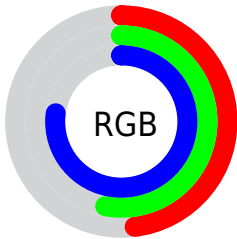
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 133, 196
Decimal	8095684
CIE <sub>Lab</sub>	57.58, 10.69, -33.12
CIE <sub>LCh</sub>	58, 34.806, 287.882
Yxy	25.5244, 0.2480, 0.2362
Android (android.graphics.Color)	4286285764 (0xFF7B87C4)
YUV	138.3660, 28.4136, -13.4760
Hunter-Lab	50.5217, 6.2615, -30.0475

# Details

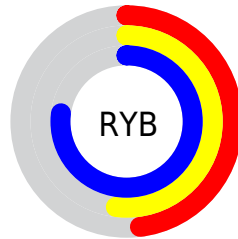
The Hex color **7B87C4** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **C4B87B**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **B2BCFD**, and **46568E** is the 20% darker color. If you saturate the color by 10%, you get **6777C4**, and if you desaturate by 10%, it is **8F97C4**.

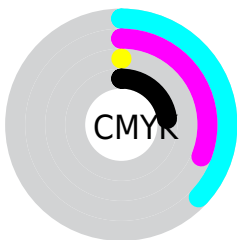
# Distribution



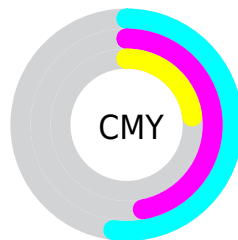
- Red (48%)
- Green (53%)
- Blue (77%)



- Red (48%)
- Yellow (52%)
- Blue (77%)



- Cyan (37%)
- Magenta (31%)
- Yellow (0%)
- Black (23%)



- Cyan (52%)
- Magenta (47%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B87C4 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 7B87C4 by changing the saturation by 10% instead.



■ 7B87C4

■ 7B87C4

FFFFFF

■ 616EA9

■ B2BCFD

■ 46568E

■ CED8FF

■ 2C3F74

■ EBF4FF

■ 0D295B

■ 001543

■ 00032D

■ 000117

■ 000000

■ 7B87C4

■ 7B87C4

6777C4

8F97C4

5466C4

A2A8C4

4056C4

B6B8C4

2D45C4

C9C9C4

1935C4

DDD9C4

0525C4

F1E9C4

0020C4

FFFAC4

FFFFC4

# Harmonies

## Analogous

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



4491C5



7B87C4



A47CB3

# Triad

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



7B87C4



BD7A5E



409A7D

# Complementary

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



7B87C4



C4B87B

# 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.



699660



7B87C4



A9844F

# Square

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



7B87C4



C57379



8C8E4F



009A9C

# Rectangle

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



7B87C4



B776A2



8C8E4F



4F9972



# Sweetspot

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



7B87C4



E3E8FF



7BC4B8



6F7280



000000



808080



# Same Dimension

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



7B87C4



8C9FFF



937BC4



575961



001AA1



000521



# Inverse Universe

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



C47B87



FF8C9F



ACC47B



615759



A1001A



210005



# Previews

## White Background



This preview shows how the Hex color 7B87C4 looks on a white background.

## Color Contrast Check

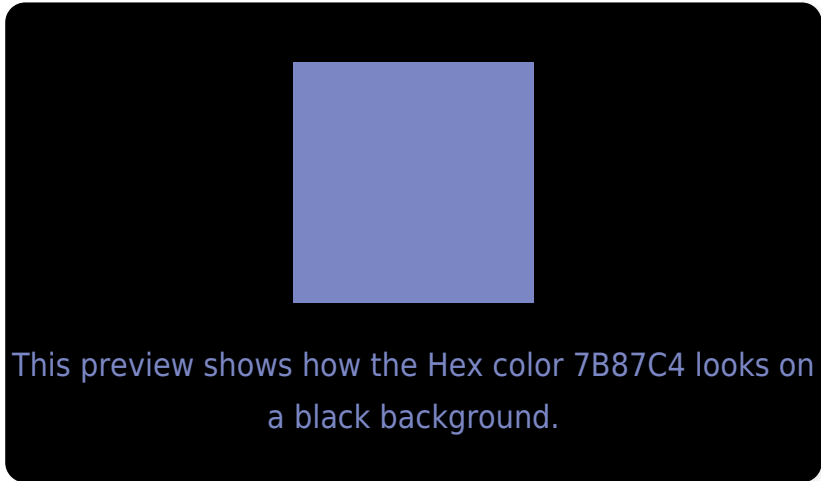
Large Text (above 18pt) WCAG AA ✓ Pass

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 7B87C4 Background



This preview shows how black text looks on a background with the Hex color 7B87C4.



This preview shows how white text looks on a background with the Hex color 7B87C4.

# 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



**Original Color**

7B87C4

**Protanopia**

7788C5

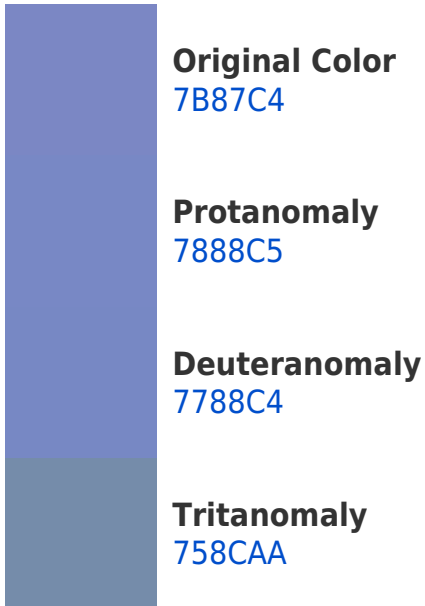
**Deuteranopia**

7589C4



**Tritanopia**  
718F9B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B87C4 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 #7B87C4 looks like.

```
.text, #text, p{  
    color:#7B87C4  
}
```

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 #7B87C4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B87C4
}
```

## Border

The CSS property to change the border of an element to Hex 7B87C4 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
#7B87C4 }
```

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

```
.border{ border-color:#7B87C4 }
```

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

Here you see how a box with a 4 pixel #7B87C4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B87C4; -webkit-box-shadow:4px 4px  
4px 4px #7B87C4; box-shadow:4px 4px 4px  
4px #7B87C4 }
```

# Background

The CSS property to change the background color of an element to Hex 7B87C4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B87C4 }
```

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

```
.background{ background-color:#7B87C4 }
```

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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