

# Converting Colors

Hex(7B7B99)

Have a look what the booklet for  
Hex(7B7B99) contains.

<b>Hex(7B7B99)</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(7B7B99)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7B7B99
RGB	123, 123, 153
RGB Percent	48%, 48%, 60%
CMY	0.5176, 0.5176, 0.4000
CMYK	0.20, 0.20, 0.00, 0.40
HSL	240°, 13%, 54%
HSV	240°, 20%, 60%
XYZ	21.0011, 20.6768, 33.0211
YIQ	126.4200, -9.6300, 9.3300

# Conversions

## Conversions Part 2

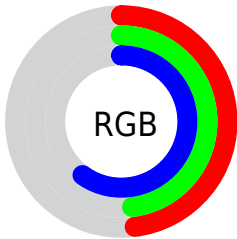
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 123, 153
Decimal	8092569
CIE <sub>Lab</sub>	52.59, 6.61, -16.11
CIE <sub>LCh</sub>	53, 17.411, 292.323
Yxy	20.6768, 0.2811, 0.2768
Android (android.graphics.Color)	4286282649 (0xFF7B7B99)
YUV	126.4200, 13.1039, -2.9993
Hunter-Lab	45.4717, 2.8647, -11.2256

# Details

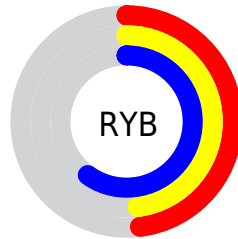
The Hex color **7B7B99** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **99997B**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **B0AFCF**, and **4A4A66** is the 20% darker color. If you saturate the color by 10%, you get **6C6C99**, and if you desaturate by 10%, it is **8A8A99**.

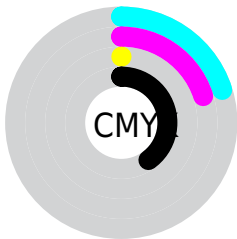
# Distribution



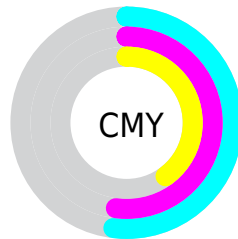
- Red (48%)
- Green (48%)
- Blue (60%)



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B7B99 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 7B7B99 by changing the saturation by 10% instead.





7B7B99



7B7B99

FFFFFF



62627F



B0AFCF



4A4A66



CBCBEC



33344E



E8E7FF



1D1F37



070622



000008



000000



7B7B99



7B7B99



6C6C99



8A8A99

5C5C99

9A9A99

4D4D99

A9A999

3E3E99

B8B899

2F2F99

C8C899

1F1F99

D7D799

101099

E6E699

010199

F5F599

000099

FFFF99

# Harmonies

## Analogous

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



67809B



7B7B99



8D7690

# Triad

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



7B7B99



987666



5C8679

# Complementary

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



7B7B99



99997B

# 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.



6C846B



7B7B99



8C7B60

# Square

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



7B7B99



9C7373



7D8062



548688

# Rectangle

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



7B7B99



967487



7D8062



618574



# Sweetspot

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



7B7B99



BBBBC7



7B9999



5C5C63



E3E3E3



636363



# Same Dimension

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



7B7B99



9797C7



8A7B99



45454D



00008C



00000D



# Inverse Universe

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



997B99



C797C7



8A997B



4D454D



8C008C



0D000D



# Previews

## White Background



This preview shows how the Hex color 7B7B99 looks on a white background.

## Color Contrast Check

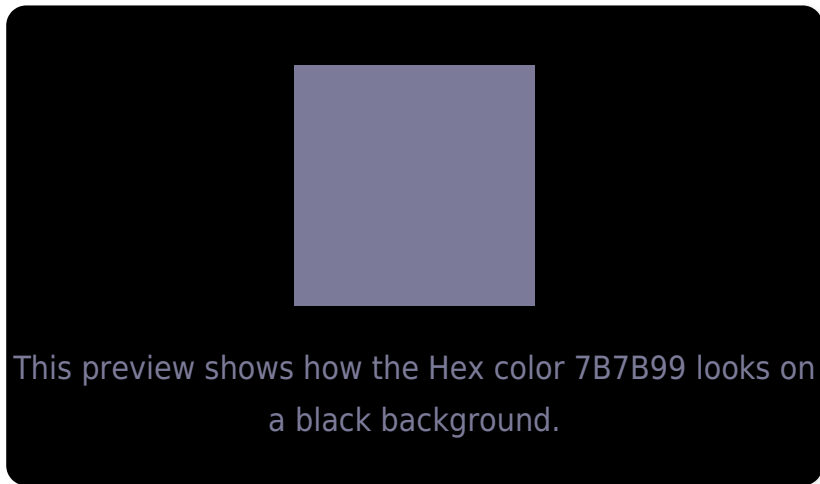
Large Text (above 18pt) WCAG AA ✓ Pass

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

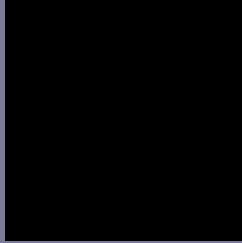
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7B7B99 Background



This preview shows how black text looks on a background with the Hex color 7B7B99.



This preview shows how white text looks on a background with the Hex color 7B7B99.

# 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**

7B7B99

**Protanopia**

777C9A

**Deuteranopia**

7C7B99



**Tritanopia**  
787E88

# Trichromacy



**Original Color**  
7B7B99

**Protanomaly**  
787C9A

**Deuteranomaly**  
7C7B99

**Tritanomaly**  
797D8E

# Monochromacy



**Original Color**  
7B7B99

**Achromatopsia**  
7E7E7E

**Achromatomaly**  
7D7D88

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B7B99 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 #7B7B99 looks like.

```
.text, #text, p{  
    color:#7B7B99  
}
```

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 #7B7B99 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B7B99
}
```

## Border

The CSS property to change the border of an element to Hex 7B7B99 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
#7B7B99 }
```

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

```
.border{ border-color:#7B7B99 }
```

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

Here you see how a box with a 4 pixel #7B7B99 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B7B99; -webkit-box-shadow:4px 4px  
4px 4px #7B7B99; box-shadow:4px 4px 4px  
4px #7B7B99 }
```

# Background

The CSS property to change the background color of an element to Hex 7B7B99 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B7B99 }
```

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

```
.background{ background-color:#7B7B99 }
```

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