

# Converting Colors

Hex(7989BE)

Have a look what the booklet for  
Hex(7989BE) contains.

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# Color

Hex(7989BE)

# Conversions

## Conversions Part 1

Format	Color
Hex	7989BE
RGB	121, 137, 190
RGB Percent	47%, 54%, 75%
CMY	0.5255, 0.4627, 0.2549
CMYK	0.36, 0.28, 0.00, 0.25
HSL	226°, 35%, 61%
HSV	226°, 36%, 75%
XYZ	26.1251, 25.6740, 52.2938
YIQ	138.2580, -26.5490, 13.0910

# Conversions

## Conversions Part 2

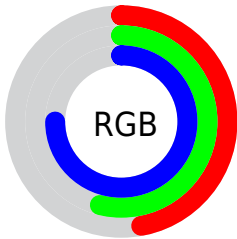
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	121, 134, 190
Decimal	7965118
CIE <sub>Lab</sub>	57.73, 7.31, -29.51
CIE <sub>LCh</sub>	58, 30.402, 283.911
Yxy	25.6740, 0.2510, 0.2466
Android (android.graphics.Color)	4286155198 (0xFF7989BE)
YUV	138.2580, 25.5088, -15.1353
Hunter-Lab	50.6695, 3.3626, -25.7220

# Details

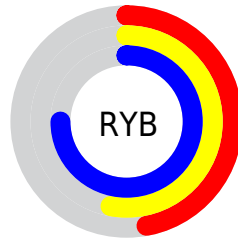
The Hex color **7989BE** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **BEAE79**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **AFBEF7**, and **455788** is the 20% darker color. If you saturate the color by 10%, you get **667ABE**, and if you desaturate by 10%, it is **8C98BE**.

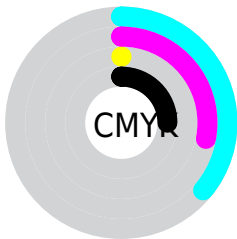
# Distribution



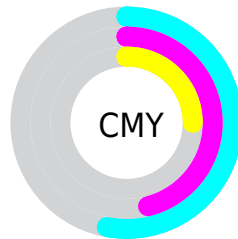
- Red (47%)
- Green (54%)
- Blue (75%)



- Red (47%)
- Yellow (53%)
- Blue (75%)



- Cyan (36%)
- Magenta (28%)
- Yellow (0%)
- Black (25%)



- Cyan (53%)
- Magenta (46%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7989BE 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 7989BE by changing the saturation by 10% instead.



 7989BE

 7989BE

FFFFFF

 5F70A3

 AFBEF7

 455788

 CBDAFF

 2B406F

 E8F6FF

 0E2B56

 00173F

 000328

 000112

 000000

 7989BE

 7989BE

■ 667ABE

■ 8C98BE

■ 536CBE

■ 9FA6BE

■ 405DBE

■ B2B5BE

■ 2D4FBE

■ C5C3BE

■ 1A40BE

■ D8D2BE

■ 0731BE

■ EBE1BE

■ 002CBE

■ FEEFB

■ FFFE

■ FFFF

# Harmonies

## Analogous

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



4E91BD



7989BE



9E7FB1

# Triad

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



7989BE



BA7B67



52987B

# Complementary

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



7989BE



BEAE79

# 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.



739464



7989BE



A98458

# Square

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



7989BE



BF767F



908D56



319996

# Rectangle

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



7989BE



AF7AA3



908D56



5D9772



# Sweetspot

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



7989BE



DCE2F7



79BEAE



6D707D



FCFCFC



7D7D7D



# Same Dimension

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



7989BE



8BA4F7



8B79BE



55575E



00259E



00071F



# Inverse Universe

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



BE7989



F78BA4



ACBE79



5E5557



9E0025

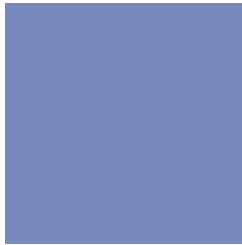


1F0007



# Previews

## White Background



This preview shows how the Hex color 7989BE looks on a white background.

## Color Contrast Check

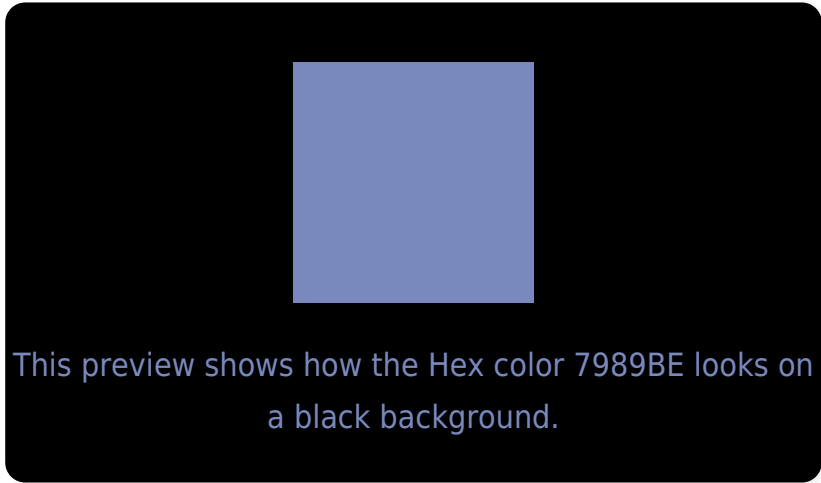
Large Text (above 18pt) WCAG AA ✓ Pass

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

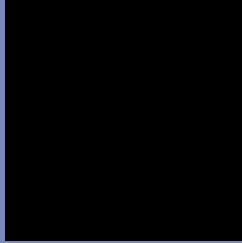
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7989BE Background



This preview shows how black text looks on a background with the Hex color 7989BE.



This preview shows how white text looks on a background with the Hex color 7989BE.

# 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**  
7989BE

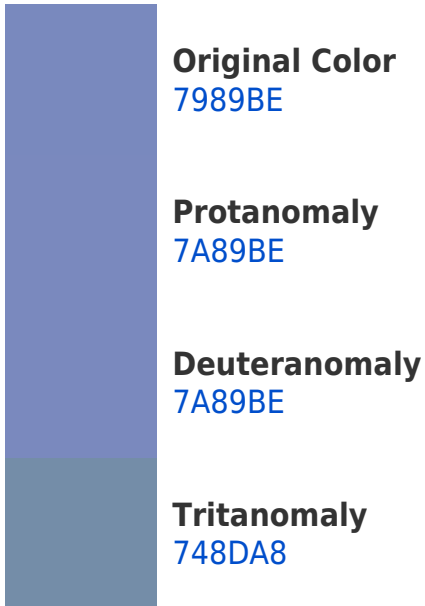
**Protanopia**  
7B89BE

**Deuteranopia**  
7A89BE

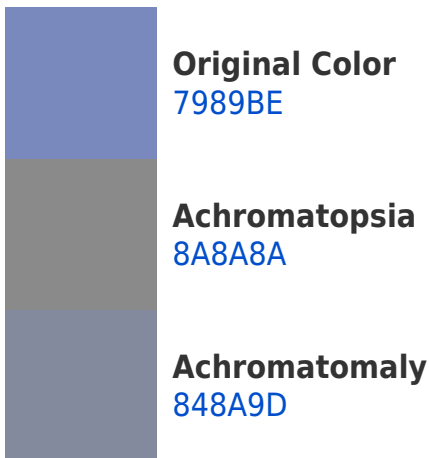


**Tritanopia**  
71909B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7989BE 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 #7989BE looks like.

```
.text, #text, p{  
    color:#7989BE  
}
```

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 #7989BE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7989BE
}
```

## Border

The CSS property to change the border of an element to Hex 7989BE is called "border". The border property can be set on classes, ids or directly on the HTML element.

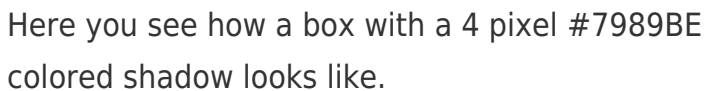
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7989BE }
```

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

```
.border{ border-color:#7989BE }
```

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



Here you see how a box with a 4 pixel #7989BE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7989BE; -webkit-box-shadow:4px 4px  
4px 4px #7989BE; box-shadow:4px 4px 4px  
4px #7989BE }
```

# Background

The CSS property to change the background color of an element to Hex 7989BE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7989BE }
```

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

```
.background{ background-color:#7989BE }
```

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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