

# Converting Colors

Hex(7839BB)

Have a look what the booklet for  
Hex(7839BB) contains.

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# Color

**Hex(7839BB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7839BB
RGB	120, 57, 187
RGB Percent	47%, 22%, 73%
CMY	0.5294, 0.7765, 0.2667
CMYK	0.36, 0.70, 0.00, 0.27
HSL	269°, 53%, 48%
HSV	269°, 70%, 73%
XYZ	18.1785, 10.5072, 48.0837
YIQ	90.6570, -4.1820, 53.7860

# Conversions

## Conversions Part 2

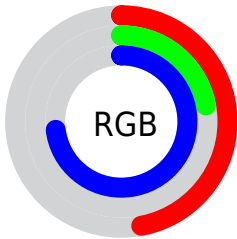
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	120, 57, 187
Decimal	7879099
CIE Lab	38.74, 52.14, -57.93
CIE LCh	39, 77.937, 311.990
Yxy	10.5072, 0.2368, 0.1369
Android (android.graphics.Color)	4286069179 (0xFF7839BB)
YUV	90.6570, 47.4971, 25.7338
Hunter-Lab	32.4148, 43.3785, -65.2597

# Details

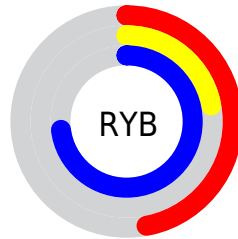
The Hex color **7839BB** is a dark color, and the websafe version is hex **6633CC**. A complement of this color would be **7CBB39**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **B16DF4**, and **3F0085** is the 20% darker color. If you saturate the color by 10%, you get **6E26BB**, and if you desaturate by 10%, it is **824CBB**.

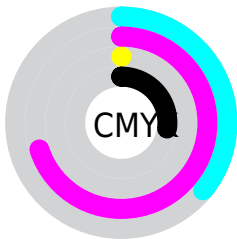
# Distribution



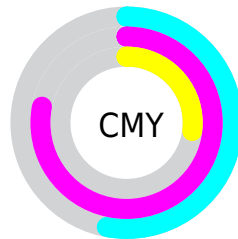
- Red (47%)
- Green (22%)
- Blue (73%)



- Red (47%)
- Yellow (22%)
- Blue (73%)



- Cyan (36%)
- Magenta (70%)
- Yellow (0%)
- Black (27%)



- Cyan (53%)
- Magenta (78%)
- Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7839BB 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 7839BB by changing the saturation by 10% instead.



7839BB

7839BB

FFFFFF

5C1E9F

B16DF4

3F0085

CE87FF

20006B

EBA2FF

000052

FFBEFF

000339

FFDBFF

000223

FFF8FF

00000A

000000

7839BB

7839BB

 6E26BB

 824CBB

 6514BB

 8B5EBB

 5B01BB

 9571BB

 5B00BB

 9F84BB

 A896BB

 B2A9BB

 BBBCBB

 C5CFBB

 CFE1BB

# Harmonies

## Analogous

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



005CDA



7839BB



B50084

# Triad

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



7839BB



8E4A00



007474

# Complementary

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



7839BB



7CBB39

# 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.



007231



7839BB



596100

# Square

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



7839BB



B41A01



006D00



0074B0

# Rectangle

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



7839BB



C3005A



006D00



00745E



# Sweetspot

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



7839BB



D8BFF2



397CBB



6B5C7A



FAFAFA



7A7A7A



# Same Dimension

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



7839BB



8B29F2



B939BB



59555E



4D009E



0F001F



# Inverse Universe

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



BB397C



F22991



3BBB39



5E555A



9E0051

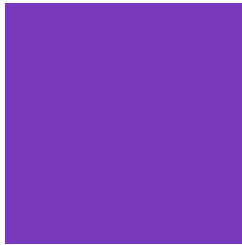


1F0010



# Previews

## White Background



This preview shows how the Hex color 7839BB looks on a white background.

## Color Contrast Check

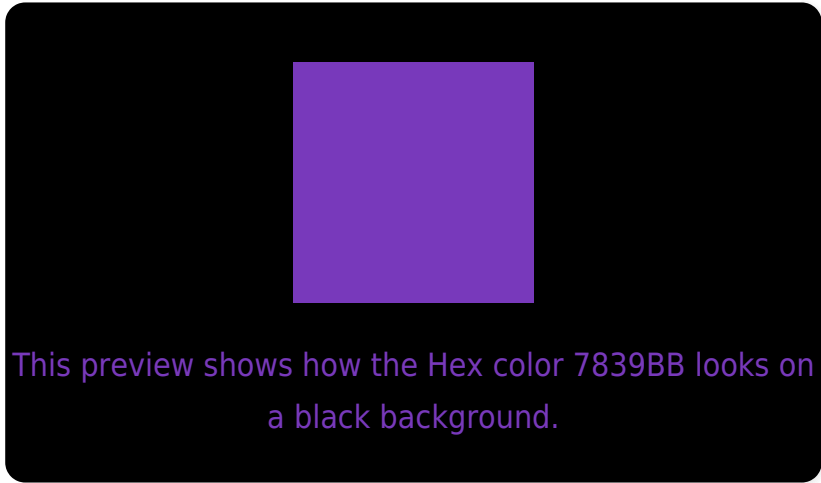
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

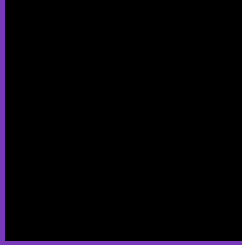
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7839BB Background



This preview shows how black text looks on a background with the Hex color 7839BB.



This preview shows how white text looks on a background with the Hex color 7839BB.

# 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**  
7839BB

**Protanopia**  
0058BB

**Deuteranopia**  
005EA3



**Tritanopia**  
65585E

# Trichromacy



**Original Color**  
7839BB

**Protanomaly**  
2C4DBB

**Deuteranomaly**  
2C51AC

**Tritanomaly**  
6C4D80

# Monochromacy



**Original Color**  
7839BB

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
664F7E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7839BB 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 #7839BB looks like.

```
.text, #text, p{  
    color:#7839BB  
}
```

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 #7839BB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7839BB
}
```

## Border

The CSS property to change the border of an element to Hex 7839BB 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
#7839BB }
```

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

```
.border{ border-color:#7839BB }
```

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

Here you see how a box with a 4 pixel #7839BB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7839BB; -webkit-box-shadow:4px 4px  
4px 4px #7839BB; box-shadow:4px 4px 4px  
4px #7839BB }
```

# Background

The CSS property to change the background color of an element to Hex 7839BB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7839BB }
```

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

```
.background{ background-color:#7839BB }
```

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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