

# Converting Colors

Hex(7836C9)

Have a look what the booklet for  
Hex(7836C9) contains.

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# Color

**Hex(7836C9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7836C9
RGB	120, 54, 201
RGB Percent	47%, 21%, 79%
CMY	0.5294, 0.7882, 0.2118
CMYK	0.40, 0.73, 0.00, 0.21
HSL	267°, 58%, 50%
HSV	267°, 73%, 79%
XYZ	19.6075, 10.8484, 56.3189
YIQ	90.4920, -7.8510, 59.7090

# Conversions

## Conversions Part 2

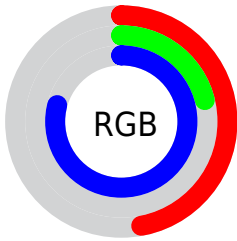
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 54, 201
Decimal	7878345
CIE <sub>Lab</sub>	39.32, 56.97, -65.16
CIE <sub>LCh</sub>	39, 86.552, 311.165
Yxy	10.8484, 0.2260, 0.1250
Android (android.graphics.Color)	4286068425 (0xFF7836C9)
YUV	90.4920, 54.4804, 25.8785
Hunter-Lab	32.9370, 48.6220, -78.3239

# Details

The Hex color **7836C9** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **87C936**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **B26BFF**, and **3D0092** is the 20% darker color. If you saturate the color by 10%, you get **6D22C9**, and if you desaturate by 10%, it is **834AC9**.

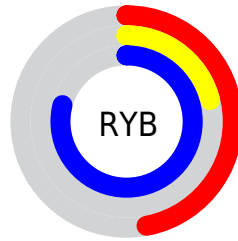
# Distribution



Red (47%)

Green (21%)

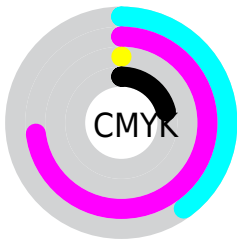
Blue (79%)



Red (47%)

Yellow (21%)

Blue (79%)

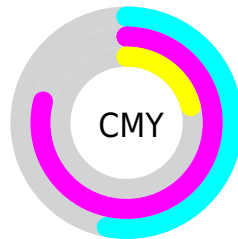


Cyan (40%)

Magenta (73%)

Yellow (0%)

Black (21%)



Cyan (53%)

Magenta (79%)

Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7836C9 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 7836C9 by changing the saturation by 10% instead.



7836C9

7836C9

FFFFFF

5B1AAD

B26BFF

3D0092

D085FF

190077

EDA1FF

00005E

FFBDFE

000045

FFD9FF

00032D

FFF6FF

000118

000000

7836C9

7836C9

 6D22C9

 834AC9

 620EC9

 8E5EC9

 5A00C9

 9972C9

 A486C9

 AF9BC9

 BAAFC9

 C6C3C9

 D1D7C9

 DCEBC9

# Harmonies

## Analogous

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



005FEB



7836C9



BE008C

# Triad

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



7836C9



954800



007776

# Complementary

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



7836C9



87C936

# 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.



00752A



7836C9



5A6200

# Square

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



7836C9



BF0000



006F00



0077BA

# Rectangle

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



7836C9



CF005D



006F00



00775E



# Sweetspot

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



7836C9



E0C7FF



3689C9



6D5E80



000000



808080



# Same Dimension

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



7836C9



831FFF



BF36C9



5E5A63



4900A3



100024



# Inverse Universe

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



C93687



FF1F9A



40C936



635A5F



A3005A

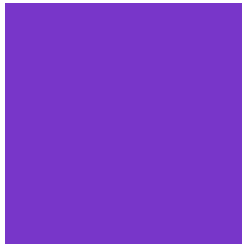


240014



# Previews

## White Background



This preview shows how the Hex color 7836C9 looks on a white background.

## Color Contrast Check

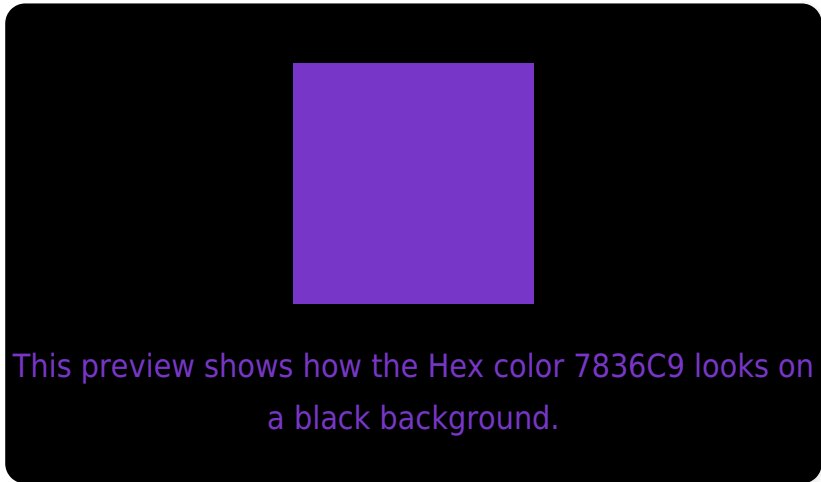
Large Text (above 18pt) WCAG AA ✓ Pass

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 7836C9 Background



This preview shows how black text looks on a background with the Hex color 7836C9.

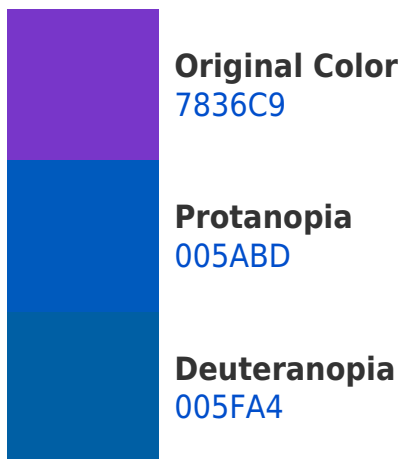


This preview shows how white text looks on a background with the Hex color 7836C9.

# 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](#).

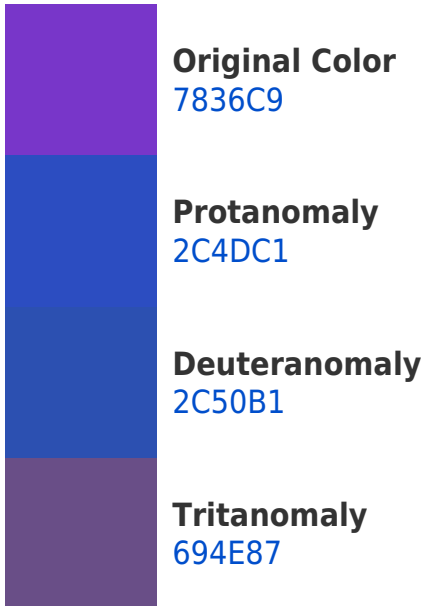
## Dichromacy



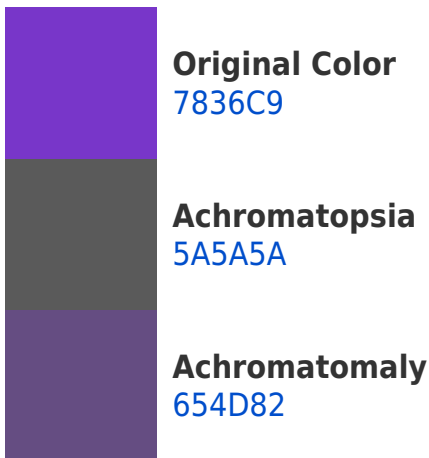


**Tritanopia**  
615B62

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7836C9 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 #7836C9 looks like.

```
.text, #text, p{  
    color:#7836C9  
}
```

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 #7836C9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7836C9
}
```

## Border

The CSS property to change the border of an element to Hex 7836C9 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
#7836C9 }
```

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

```
.border{ border-color:#7836C9 }
```

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

Here you see how a box with a 4 pixel #7836C9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7836C9; -webkit-box-shadow:4px 4px  
4px 4px #7836C9; box-shadow:4px 4px 4px  
4px #7836C9 }
```

# Background

The CSS property to change the background color of an element to Hex 7836C9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7836C9 }
```

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

```
.background{ background-color:#7836C9 }
```

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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