

# Converting Colors

Hex(7846D9)

Have a look what the booklet for  
Hex(7846D9) contains.

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# Color

**Hex(7846D9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7846D9
RGB	120, 70, 217
RGB Percent	47%, 27%, 85%
CMY	0.5294, 0.7255, 0.1490
CMYK	0.45, 0.68, 0.00, 0.15
HSL	260°, 66%, 56%
HSV	260°, 68%, 85%
XYZ	22.4603, 13.3831, 67.0451
YIQ	101.7080, -17.3870, 56.3170

# Conversions

## Conversions Part 2

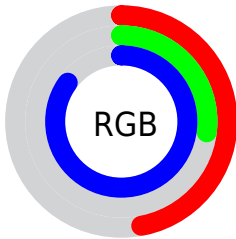
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 70, 217
Decimal	7882457
CIE <sub>Lab</sub>	43.33, 53.37, -67.85
CIE <sub>LCh</sub>	43, 86.322, 308.187
Yxy	13.3831, 0.2183, 0.1301
Android (android.graphics.Color)	4286072537 (0xFF7846D9)
YUV	101.7080, 56.8390, 16.0421
Hunter-Lab	36.5830, 45.5706, -83.0518

# Details

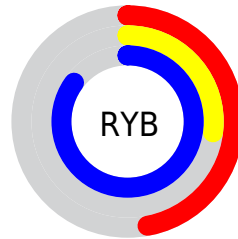
The Hex color **7846D9** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **A7D946**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **B37AFF**, and **3B11A1** is the 20% darker color. If you saturate the color by 10%, you get **6A30D9**, and if you desaturate by 10%, it is **865CD9**.

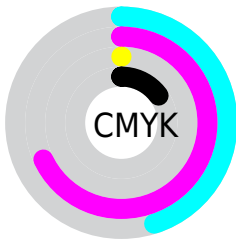
# Distribution



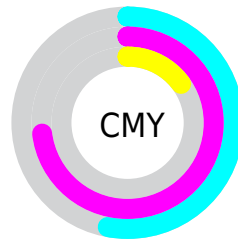
- Red (47%)
- Green (27%)
- Blue (85%)



- Red (47%)
- Yellow (27%)
- Blue (85%)



- Cyan (45%)
- Magenta (68%)
- Yellow (0%)
- Black (15%)



- Cyan (53%)
- Magenta (73%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7846D9 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 7846D9 by changing the saturation by 10% instead.



 7846D9

 7846D9

FFFFFF

 5A2DBD

 B37AFF

 3B11A1

 D094FF

 110086

 EEB0FF

 00006C

 FFCCFF

 000052

 FFE8FF

 00063A

 000224

 00000B

 000000

 7846D9

 7846D9

 6A30D9

 865CD9

 5B1BD9

 9571D9

 4D05D9

 A387D9

 4A00D9

 B19DD9

 C0B3D9

 CEC8D9

 DCDED9

 EBF4D9

 F9FFD9

# Harmonies

## Analogous

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



006BF7



7846D9



C6009D

# Triad

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



7846D9



A64E00



008279

# Complementary

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



7846D9



A7D946

# 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.



007F2C



7846D9



6C6A00

# Square

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



7846D9



CF070D



007900



0082BF

# Rectangle

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



7846D9



DA006E



007900



008160



# Sweetspot

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



7846D9



DDCCFF



46A8D9



6B6180



000000



808080



# Same Dimension

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



7846D9



7730FF



C146D9



66636E



3B00AD



10002E



# Inverse Universe

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



D946A7



FF30B9



5ED946



6E636A



AD0072

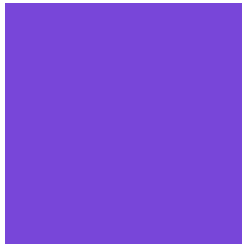


2E001E



# Previews

## White Background



This preview shows how the Hex color 7846D9 looks on a white background.

## Color Contrast Check

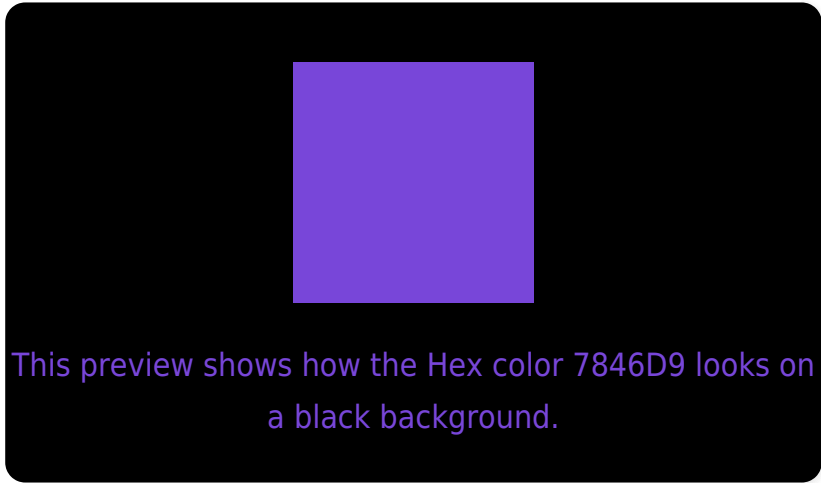
Large Text (above 18pt) WCAG AA ✓ Pass

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

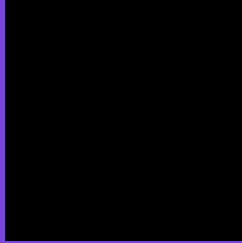
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7846D9 Background



This preview shows how black text looks on a background with the Hex color 7846D9.



This preview shows how white text looks on a background with the Hex color 7846D9.

# 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**  
5E6870

# Trichromacy



**Original Color**  
7846D9



**Protanomaly**  
2C58D4



**Deuteranomaly**  
2C5CC2



**Tritanomaly**  
675C96

# Monochromacy



**Original Color**  
7846D9



**Achromatopsia**  
666666



**Achromatomaly**  
6D5A90

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7846D9 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 #7846D9 looks like.

```
.text, #text, p{  
    color:#7846D9  
}
```

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 #7846D9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7846D9
}
```

## Border

The CSS property to change the border of an element to Hex 7846D9 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
#7846D9 }
```

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

```
.border{ border-color:#7846D9 }
```

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

Here you see how a box with a 4 pixel #7846D9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7846D9; -webkit-box-shadow:4px 4px  
4px 4px #7846D9; box-shadow:4px 4px 4px  
4px #7846D9 }
```

# Background

The CSS property to change the background color of an element to Hex 7846D9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7846D9 }
```

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

```
.background{ background-color:#7846D9 }
```

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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