

# Converting Colors

Hex(7829C6)

Have a look what the booklet for  
Hex(7829C6) contains.

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**Color**

**Hex(7829C6)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7829C6
RGB	120, 41, 198
RGB Percent	47%, 16%, 78%
CMY	0.5294, 0.8392, 0.2235
CMYK	0.39, 0.79, 0.00, 0.22
HSL	270°, 66%, 47%
HSV	270°, 79%, 78%
XYZ	18.7317, 9.6562, 54.3026
YIQ	82.5190, -3.3130, 65.5750

# Conversions

## Conversions Part 2

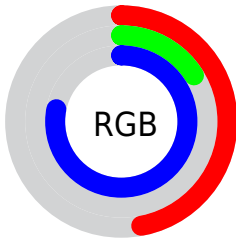
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 41, 198
Decimal	7875014
CIE <sub>Lab</sub>	37.22, 61.58, -66.85
CIE <sub>LCh</sub>	37, 90.892, 312.652
Yxy	9.6562, 0.2265, 0.1168
Android (android.graphics.Color)	4286065094 (0xFF7829C6)
YUV	82.5190, 56.9321, 32.8708
Hunter-Lab	31.0744, 53.2201, -81.8576

# Details

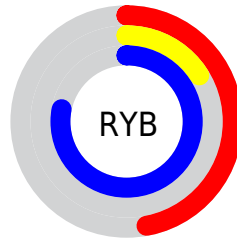
The Hex color **7829C6** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **77C629**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **B260FF**, and **3C008F** is the 20% darker color. If you saturate the color by 10%, you get **6E15C6**, and if you desaturate by 10%, it is **823DC6**.

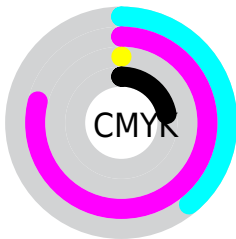
# Distribution



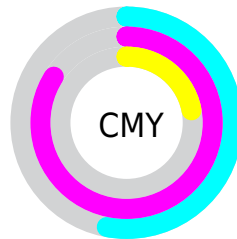
- Red (47%)
- Green (16%)
- Blue (78%)



- Red (47%)
- Yellow (16%)
- Blue (78%)



- Cyan (39%)
- Magenta (79%)
- Yellow (0%)
- Black (22%)



- Cyan (53%)
- Magenta (84%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7829C6 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 7829C6 by changing the saturation by 10% instead.



 7829C6

 7829C6

FFFFFF

 5B03AA

 B260FF

 3C008F

 D07BFF

 180074

 EE96FF

 00005B

 FFB2FF

 000242

 FFCFFF

 00032B

 FFECFF

 000115

 000000

 7829C6

 7829C6

6E15C6

823DC6

6401C6

8C51C6

6400C6

9664C6

9F78C6

A98CC6

B3A0C6

BDB4C6

C7C7C6

D1DBC6

# Harmonies

## Analogous

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



0059EB



7829C6



BE0085

# Triad

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



7829C6



8D4300



007276

# Complementary

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



7829C6



77C629

# 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.



007027



7829C6



4F5F00

# Square

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



7829C6



BA0000



006B00



0073BC

# Rectangle

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



7829C6



CE0055



006B00



00715D



# Sweetspot

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



7829C6



E1C2FF



2978C6



6D5B80



000000



808080



# Same Dimension

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



7829C6



870DFF



C629C6



5F5A63



5200A3



120024



# Inverse Universe

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



C62977



FF0D85



29C629



635A5E



A30051

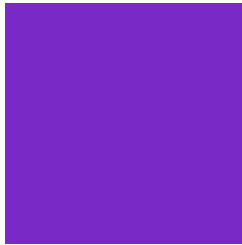


240012



# Previews

## White Background



This preview shows how the Hex color 7829C6 looks on a white background.

## Color Contrast Check

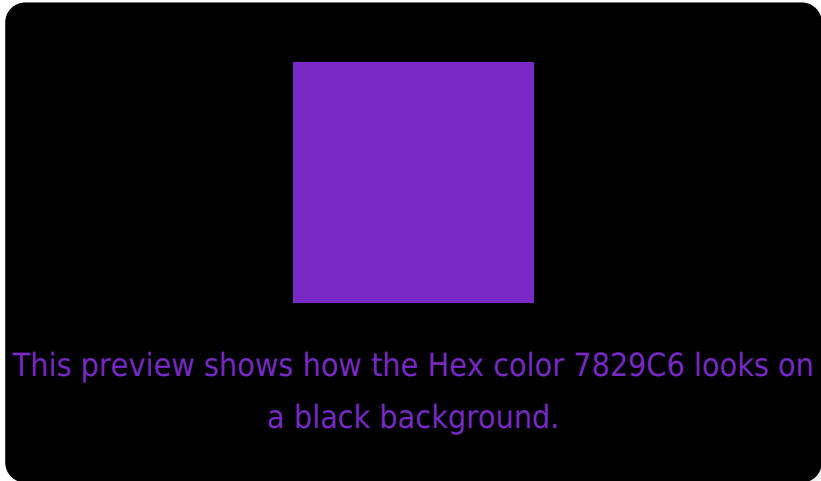
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

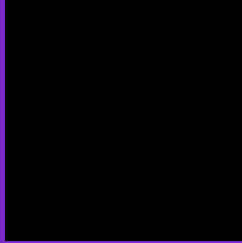
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7829C6 Background



This preview shows how black text looks on a background with the Hex color 7829C6.



This preview shows how white text looks on a background with the Hex color 7829C6.

# 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**  
7829C6

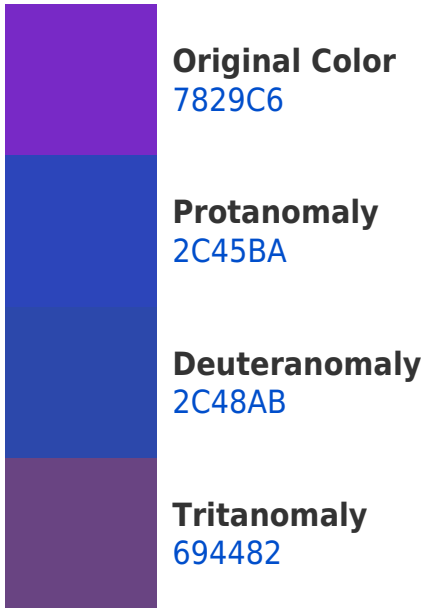
**Protanopia**  
0055B3

**Deuteranopia**  
005A9B

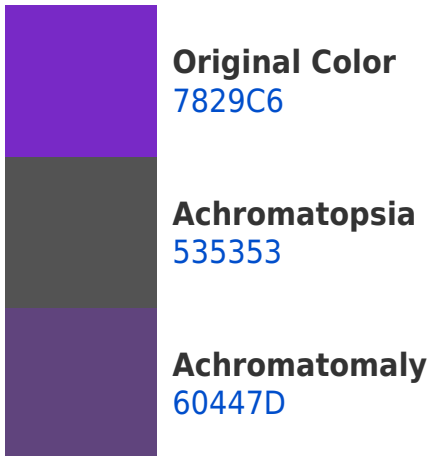


**Tritanopia**  
61545B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7829C6 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 #7829C6 looks like.

```
.text, #text, p{  
    color:#7829C6  
}
```

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 #7829C6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7829C6
}
```

## Border

The CSS property to change the border of an element to Hex 7829C6 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".

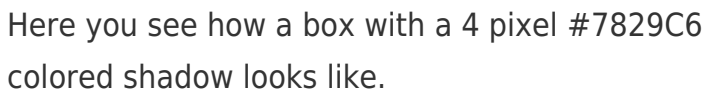
```
.border, #border, table{ border:4px solid
#7829C6 }
```

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

```
.border{ border-color:#7829C6 }
```

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

Here you see how a box with a 4 pixel #7829C6 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7829C6; -webkit-box-shadow:4px 4px  
4px 4px #7829C6; box-shadow:4px 4px 4px  
4px #7829C6 }
```

# Background

The CSS property to change the background color of an element to Hex 7829C6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7829C6 }
```

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

```
.background{ background-color:#7829C6 }
```

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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