

# Converting Colors

Hex(7642CF)

Have a look what the booklet for  
Hex(7642CF) contains.

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# Color

**Hex(7642CF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7642CF
RGB	118, 66, 207
RGB Percent	46%, 26%, 81%
CMY	0.5373, 0.7412, 0.1882
CMYK	0.43, 0.68, 0.00, 0.19
HSL	262°, 59%, 54%
HSV	262°, 68%, 81%
XYZ	20.6819, 12.2530, 60.3065
YIQ	97.6220, -14.2690, 54.8750

# Conversions

## Conversions Part 2

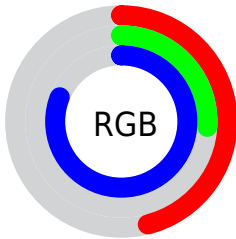
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	118, 66, 207
Decimal	7750351
CIE <sub>Lab</sub>	41.62, 52.40, -64.91
CIE <sub>LCh</sub>	42, 83.418, 308.910
Yxy	12.2530, 0.2218, 0.1314
Android (android.graphics.Color)	4285940431 (0xFF7642CF)
YUV	97.6220, 53.9234, 17.8715
Hunter-Lab	35.0043, 44.2075, -77.6438

# Details

The Hex color **7642CF** 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 **9BCF42**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **B075FF**, and **3A0C97** is the 20% darker color. If you saturate the color by 10%, you get **692DCF**, and if you desaturate by 10%, it is **8357CF**.

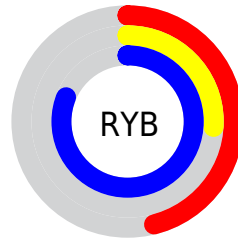
# Distribution



Red (46%)

Green (26%)

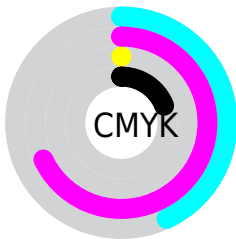
Blue (81%)



Red (46%)

Yellow (26%)

Blue (81%)

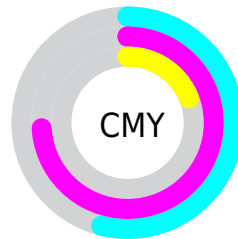


Cyan (43%)

Magenta (68%)

Yellow (0%)

Black (19%)



Cyan (54%)

Magenta (74%)

Yellow (19%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7642CF 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 7642CF by changing the saturation by 10% instead.



 7642CF

 7642CF

FFFFFF

 5929B3

 B075FF

 3A0C97

 CD90FF

 13007D

 EBABFF

 000063

 FFC7FF

 00004A

 FFE4FF

 000432

 00021C

 000000

 7642CF

 7642CF

692DCF

8357CF

5C19CF

906BCF

4F04CF

9D80CF

4C00CF

AA95CF

B7A9CF

C4BECF

D1D3CF

DFE8CF

ECFCCF

# Harmonies

## Analogous

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



0066ED



7642CF



BF0095

# Triad

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



7642CF



9E4B00



007D76

# Complementary

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



7642CF



9BCF42

# 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.



007A2C



7642CF



666600

# Square

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



7642CF



C60D0A



007400



007DB8

# Rectangle

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



7642CF



D20068



007400



007C5E



# Sweetspot

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



7642CF



DFCCFF



429BCF



6C6180



000000



808080



# Same Dimension

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



7642CF



7B2EFF



BC42CF



625E69



3E00A8



0F0029



# Inverse Universe

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



CF429B



FF2EB2



55CF42



695E65



A8006A

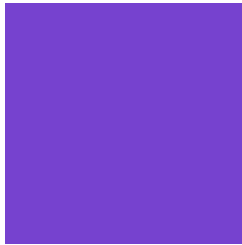


29001A



# Previews

## White Background



This preview shows how the Hex color 7642CF 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 7642CF Background



This preview shows how black text looks on a background with the Hex color 7642CF.

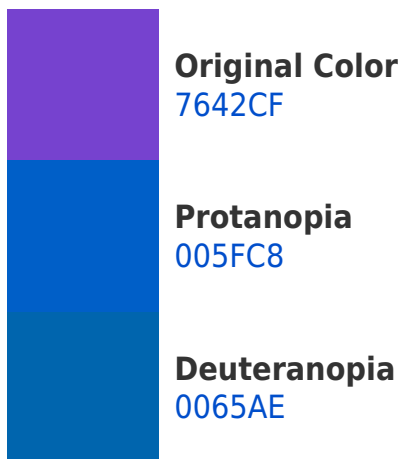



This preview shows how white text looks on a background with the Hex color 7642CF.

# 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](#).

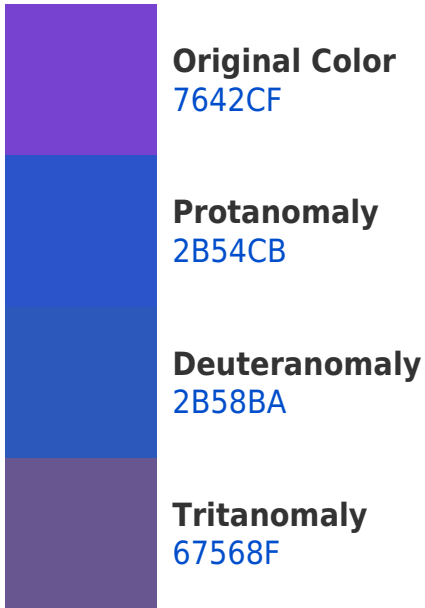
## Dichromacy



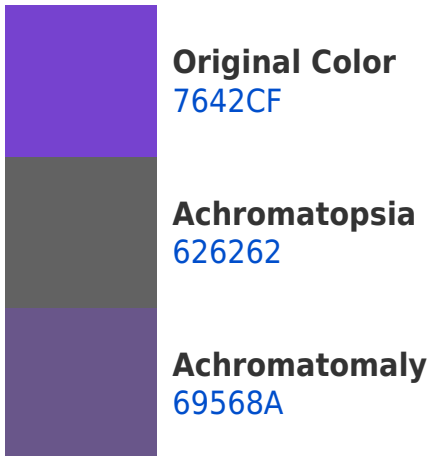


**Tritanopia**  
5E626A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7642CF 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 #7642CF looks like.

```
.text, #text, p{  
    color:#7642CF  
}
```

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 #7642CF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7642CF
}
```

## Border

The CSS property to change the border of an element to Hex 7642CF 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".

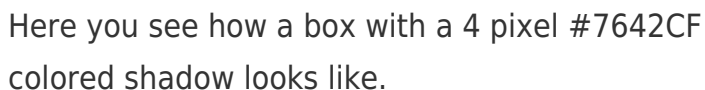
```
.border, #border, table{ border:4px solid
#7642CF }
```

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

```
.border{ border-color:#7642CF }
```

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

Here you see how a box with a 4 pixel #7642CF colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7642CF; -webkit-box-shadow:4px 4px  
4px 4px #7642CF; box-shadow:4px 4px 4px  
4px #7642CF }
```

# Background

The CSS property to change the background color of an element to Hex 7642CF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7642CF }
```

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

```
.background{ background-color:#7642CF }
```

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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