

# Converting Colors

Hex(8042CB)

Have a look what the booklet for  
Hex(8042CB) contains.

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**Color**

**Hex(8042CB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8042CB
RGB	128, 66, 203
RGB Percent	50%, 26%, 80%
CMY	0.4980, 0.7412, 0.2039
CMYK	0.37, 0.67, 0.00, 0.20
HSL	267°, 57%, 53%
HSV	267°, 67%, 80%
XYZ	21.6298, 12.7974, 57.8300
YIQ	100.1560, -7.0250, 55.7510

# Conversions

## Conversions Part 2

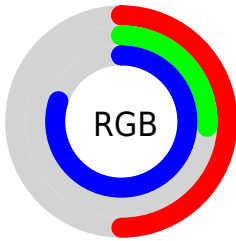
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 66, 203
Decimal	8405707
CIE <sub>Lab</sub>	42.46, 53.30, -61.18
CIE <sub>LCh</sub>	42, 81.139, 311.060
Yxy	12.7974, 0.2345, 0.1387
Android (android.graphics.Color)	4286595787 (0xFF8042CB)
YUV	100.1560, 50.7021, 24.4192
Hunter-Lab	35.7735, 45.3232, -70.8045

# Details

The Hex color **8042CB** 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 **8DCB42**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **BA76FF**, and **470994** is the 20% darker color. If you saturate the color by 10%, you get **752ECB**, and if you desaturate by 10%, it is **8B56CB**.

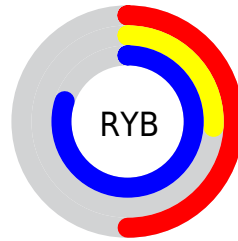
# Distribution



Red (50%)

Green (26%)

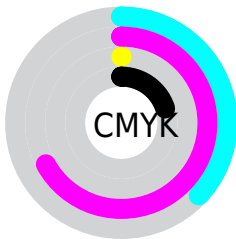
Blue (80%)



Red (50%)

Yellow (26%)

Blue (80%)

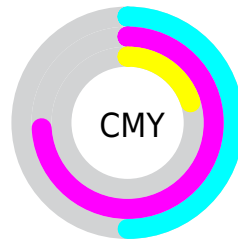


Cyan (37%)

Magenta (67%)

Yellow (0%)

Black (20%)



Cyan (50%)

Magenta (74%)

Yellow (20%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8042CB 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 8042CB by changing the saturation by 10% instead.



 8042CB

 8042CB

FFFFFF

 6428AF

 BA76FF

 470994

 D791FF

 270079

 F5ACFF

 000060

 FFC8FF

 000047

 FFE5FF

 00042F

 00011A

 000000

 8042CB

 8042CB

 752ECB

 8B56CB

 6A19CB

 966BCB

 5F05CB

 A17FCB

 5C00CB

 AC93CB

 B8A8CB

 C3BCCB

 CED0CB

 D9E4CB

 E4F9CB

# Harmonies

## Analogous

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



0066EB



8042CB



C20091

# Triad

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



8042CB



9C5100



007F7C

# Complementary

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



8042CB



8DCB42

# 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.



007C35



8042CB



656A00

# Square

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



8042CB



C42008



007600



007EBC

# Rectangle

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



8042CB



D20065



007600



007E65



# Sweetspot

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



8042CB



E3CCFF



428DCB



6F6180



000000



808080



# Same Dimension

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



8042CB



8E30FF



C442CB



605C66



4B00A6



110026



# Inverse Universe

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



CB428D



FF30A2



49CB42



665C61



A6005B



260015



# Previews

## White Background



This preview shows how the Hex color 8042CB looks on a white background.

## Color Contrast Check

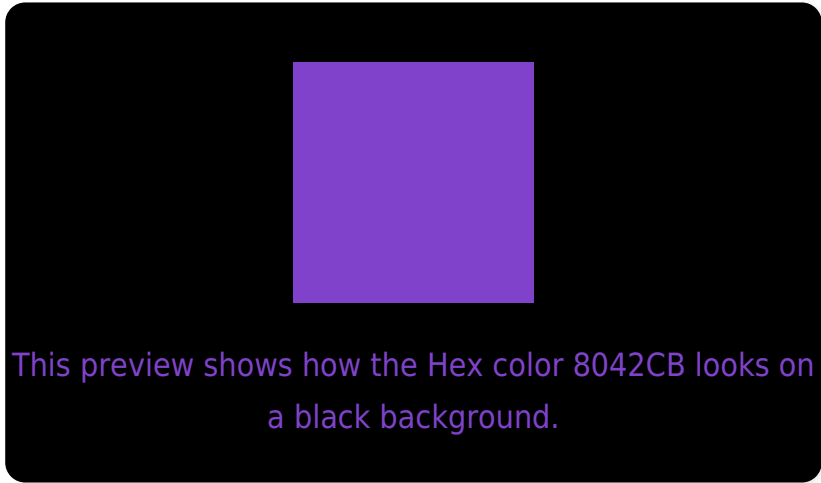
Large Text (above 18pt) WCAG AA ✓ Pass

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

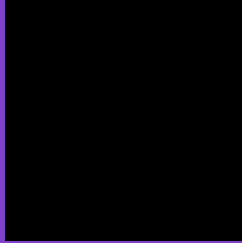
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 8042CB Background



This preview shows how black text looks on a background with the Hex color 8042CB.



This preview shows how white text looks on a background with the Hex color 8042CB.

# 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**  
8042CB

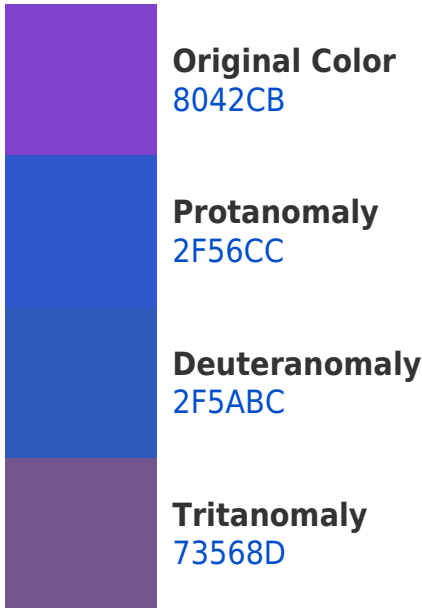
**Protanopia**  
0061CD

**Deuteranopia**  
0067B3

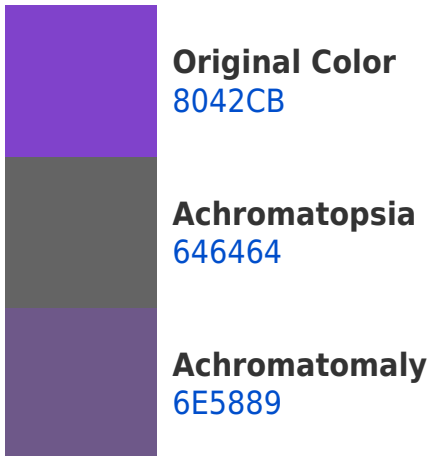


**Tritanopia**  
6C6169

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8042CB 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 #8042CB looks like.

```
.text, #text, p{  
    color:#8042CB  
}
```

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 #8042CB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8042CB
}
```

## Border

The CSS property to change the border of an element to Hex 8042CB 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".

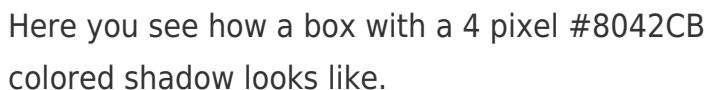
```
.border, #border, table{ border:4px solid
#8042CB }
```

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

```
.border{ border-color:#8042CB }
```

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

Here you see how a box with a 4 pixel #8042CB colored shadow looks like.

A rectangular box with a purple border and a purple shadow. The box is white with a thin purple border on the top and left sides, and a thicker purple shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8042CB; -webkit-box-shadow:4px 4px  
4px 4px #8042CB; box-shadow:4px 4px 4px  
4px #8042CB }
```

# Background

The CSS property to change the background color of an element to Hex 8042CB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8042CB }
```

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

```
.background{ background-color:#8042CB }
```

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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