

# Converting Colors

Hex(745CAA)

Have a look what the booklet for  
Hex(745CAA) contains.

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# Color

**Hex(745CAA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	745CAA
RGB	116, 92, 170
RGB Percent	45%, 36%, 67%
CMY	0.5451, 0.6392, 0.3333
CMYK	0.32, 0.46, 0.00, 0.33
HSL	258°, 31%, 51%
HSV	258°, 46%, 67%
XYZ	18.2853, 14.2696, 39.8208
YIQ	108.0680, -10.7340, 29.3460

# Conversions

## Conversions Part 2

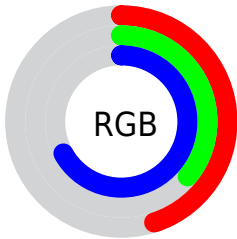
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 92, 170
Decimal	7625898
CIE <sub>Lab</sub>	44.62, 27.36, -38.51
CIE <sub>LCh</sub>	45, 47.243, 305.391
Yxy	14.2696, 0.2526, 0.1972
Android (android.graphics.Color)	4285815978 (0xFF745CAA)
YUV	108.0680, 30.5325, 6.9564
Hunter-Lab	37.7751, 20.2978, -36.0582

# Details

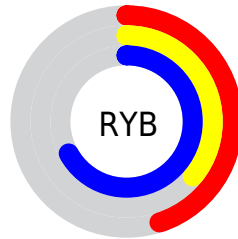
The Hex color **745CAA** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **92AA5C**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **AA8FE2**, and **402D75** is the 20% darker color. If you saturate the color by 10%, you get **684BAA**, and if you desaturate by 10%, it is **806DAA**.

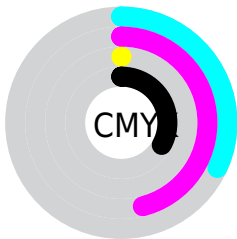
# Distribution



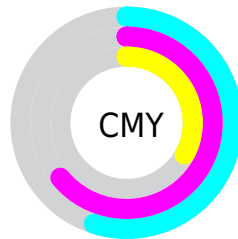
- Red (45%)
- Green (36%)
- Blue (67%)



- Red (45%)
- Yellow (36%)
- Blue (67%)



- Cyan (32%)
- Magenta (46%)
- Yellow (0%)
- Black (33%)



- Cyan (55%)
- Magenta (64%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 745CAA 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 745CAA by changing the saturation by 10% instead.



745CAA

745CAA

FFFFFF

5A448F

AA8FE2

402D75

C6A9FF

26185C

E3C5FF

0B0144

FFE1FF

00002D

FFDFDF

000118

000000

745CAA

745CAA

684BAA

806DAA

■ 5C3AAA

■ 8C7EAA

■ 5129AA

■ 978FAA

■ 4518AA

■ A3A0AA

■ 3907AA

■ AFB1AA

■ 3400AA

■ BBC2AA

■ C6D3AA

■ D2E4AA

■ DEF5AA

# Harmonies

## Analogous

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



146CB8



745CAA



9F4B8B

# Triad

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



745CAA



975B1F



007C70

# Complementary

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



745CAA



92AA5C

# 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.



007A47



745CAA



776A10

# Square

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



745CAA



AC4C3E



4E7424



007B96

# Rectangle

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



745CAA



AD4571



4E7424



007C62



# Sweetspot

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



745CAA



C8BFDE



5C93AA



635D70



F0F0F0



707070



# Same Dimension

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



745CAA



8964DE



9A5CAA



4E4C54



2E0094



060014



# Inverse Universe

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



AA5C92



DE64B8



6CAA5C



544C52



940066

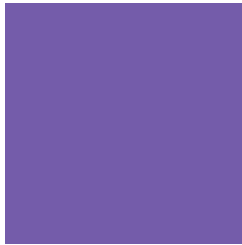


14000E



# Previews

## White Background



This preview shows how the Hex color 745CAA looks on a white background.

## Color Contrast Check

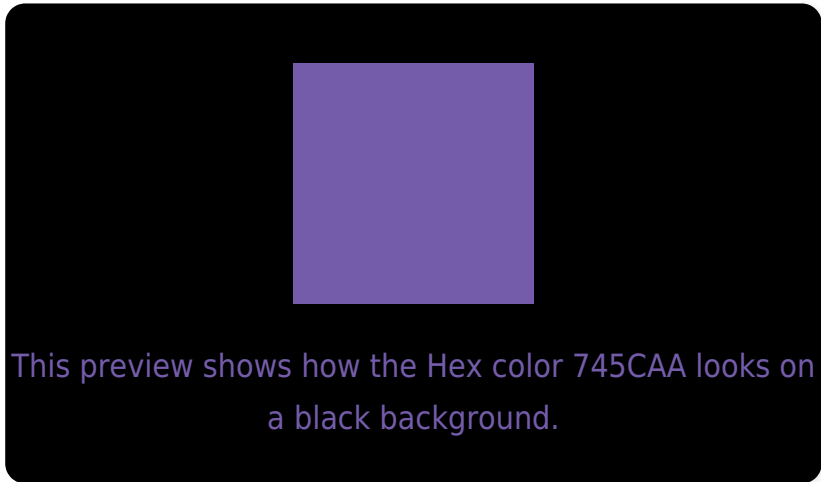
Large Text (above 18pt) WCAG AA ✓ Pass

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

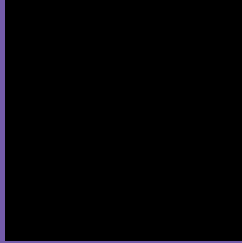
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 745CAA Background



This preview shows how black text looks on a background with the Hex color 745CAA.



This preview shows how white text looks on a background with the Hex color 745CAA.

# 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**  
745CAA

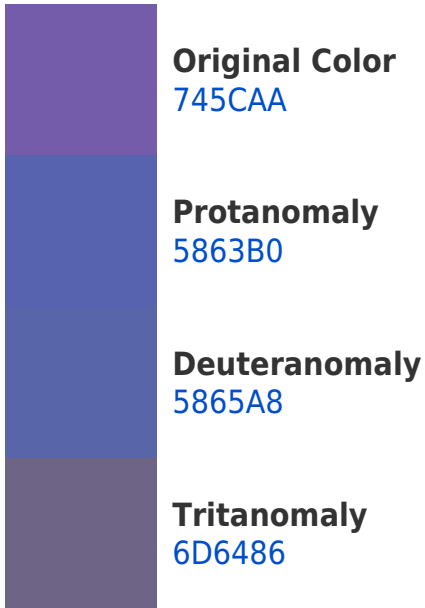
**Protanopia**  
4867B4

**Deuteranopia**  
486AA7



**Tritanopia**  
696971

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 745CAA 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 #745CAA looks like.

```
.text, #text, p{  
    color:#745CAA  
}
```

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 #745CAA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #745CAA
}
```

## Border

The CSS property to change the border of an element to Hex 745CAA 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
#745CAA }
```

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

```
.border{ border-color:#745CAA }
```

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

Here you see how a box with a 4 pixel #745CAA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #745CAA; -webkit-box-shadow:4px 4px  
4px 4px #745CAA; box-shadow:4px 4px 4px  
4px #745CAA }
```

# Background

The CSS property to change the background color of an element to Hex 745CAA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#745CAA }
```

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

```
.background{ background-color:#745CAA }
```

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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