

# Converting Colors

Hex(704DD8)

Have a look what the booklet for  
Hex(704DD8) contains.

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**Color**

**Hex(704DD8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	704DD8
RGB	112, 77, 216
RGB Percent	44%, 30%, 85%
CMY	0.5608, 0.6980, 0.1529
CMYK	0.48, 0.64, 0.00, 0.15
HSL	255°, 64%, 57%
HSV	255°, 64%, 85%
XYZ	21.7306, 13.7104, 66.4668
YIQ	103.3110, -23.7590, 50.6490

# Conversions

## Conversions Part 2

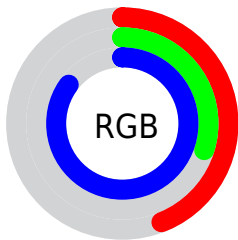
<b>Format</b>	<b>Color</b>
<b>RYB</b>	112, 77, 216
Decimal	7359960
CIELab	43.81, 47.92, -66.53
CIELCh	44, 81.989, 305.761
Yxy	13.7104, 0.2132, 0.1345
Android (android.graphics.Color)	4285550040 (0xFF704DD8)
YUV	103.3110, 55.5557, 7.6203
Hunter-Lab	37.0275, 39.9596, -80.5101

# Details

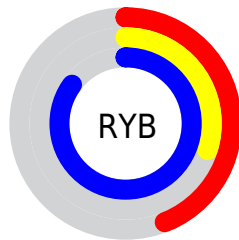
The Hex color **704DD8** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **B5D84D**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **AB80FF**, and **311CA0** is the 20% darker color. If you saturate the color by 10%, you get **6037D8**, and if you desaturate by 10%, it is **8063D8**.

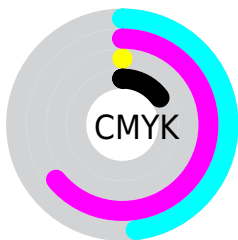
# Distribution



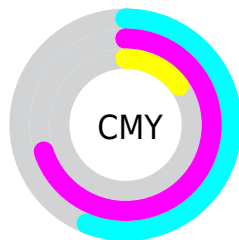
- Red (44%)
- Green (30%)
- Blue (85%)



- Red (44%)
- Yellow (30%)
- Blue (85%)



- Cyan (48%)
- Magenta (64%)
- Yellow (0%)
- Black (15%)



- Cyan (56%)
- Magenta (70%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 704DD8 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 704DD8 by changing the saturation by 10% instead.



704DD8

704DD8

FFFFFF

5235BC

AB80FF

311CA0

C89AFF

000285

E6B6FF

00006B

FFD2FF

000052

FFEEFF

00053A

000223

00000A

000000

 704DD8

 704DD8

 6037D8

 8063D8

 5022D8

 9078D8

 400CD8

 A08ED8

 3600D8

 B1A3D8

 C1B9D8

 D1CFD8

 E1E4D8

 F1FAD8

 FFFF88

# Harmonies

## Analogous

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



006DF2



704DD8



BF02A1

# Triad

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



704DD8



A94D00



008273

# Complementary

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



704DD8



B5D84D

# 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.



007F2A



704DD8



736900

# Square

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



704DD8



CE131B



1F7800



0082B7

# Rectangle

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



704DD8



D50074



1F7800



00825C



# Sweetspot

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



704DD8



DBCFFF



4DB5D8



6A6280



000000



808080



# Same Dimension

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



704DD8



6C3BFF



B54DD8



63606B



2B00AB



0B002B



# Inverse Universe

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



D84DB5



FF3BCE



70D84D



6B6068



AB0080

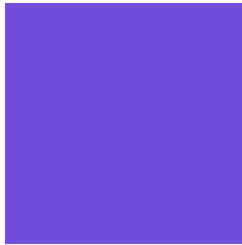


2B0020



# Previews

## White Background



This preview shows how the Hex color 704DD8 looks on a white background.

## Color Contrast Check

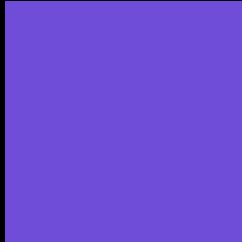
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 704DD8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

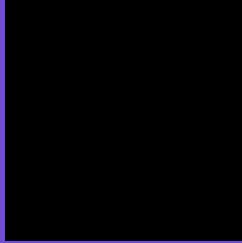
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 704DD8 Background



This preview shows how black text looks on a background with the Hex color 704DD8.

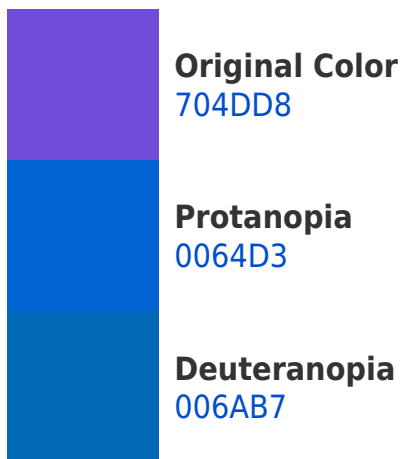


This preview shows how white text looks on a background with the Hex color 704DD8.

# 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](#).

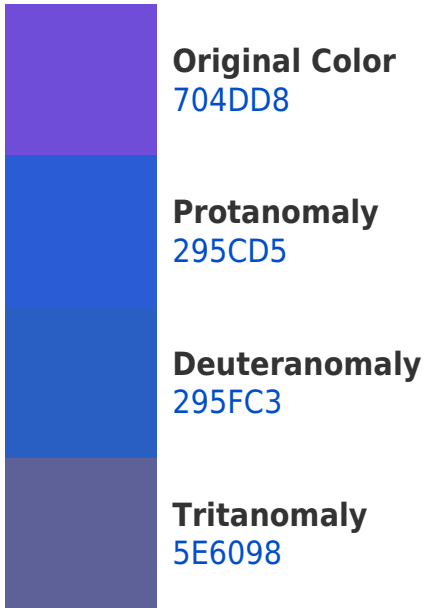
## Dichromacy



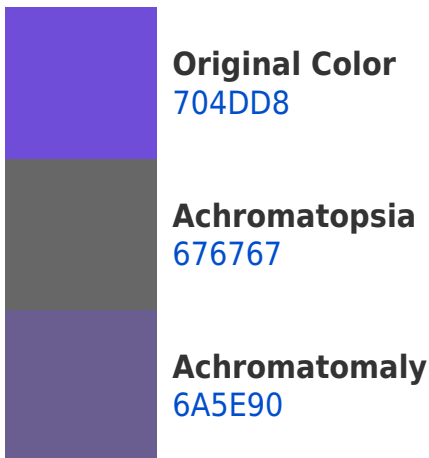


**Tritanopia**  
546B74

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 704DD8 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 #704DD8 looks like.

```
.text, #text, p{  
    color:#704DD8  
}
```

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 #704DD8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #704DD8
}
```

## Border

The CSS property to change the border of an element to Hex 704DD8 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
#704DD8 }
```

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

```
.border{ border-color:#704DD8 }
```

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

Here you see how a box with a 4 pixel #704DD8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #704DD8; -webkit-box-shadow:4px 4px  
4px 4px #704DD8; box-shadow:4px 4px 4px  
4px #704DD8 }
```

# Background

The CSS property to change the background color of an element to Hex 704DD8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#704DD8 }
```

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

```
.background{ background-color:#704DD8 }
```

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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