

# Converting Colors

Hex(770BB7)

Have a look what the booklet for  
Hex(770BB7) contains.

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**Color**

**Hex(770BB7)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	770BB7
RGB	119, 11, 183
RGB Percent	47%, 4%, 72%
CMY	0.5333, 0.9569, 0.2824
CMYK	0.35, 0.94, 0.00, 0.28
HSL	278°, 89%, 38%
HSV	278°, 94%, 72%
XYZ	16.2747, 7.5802, 45.4051
YIQ	62.9000, 9.1560, 76.3880

# Conversions

## Conversions Part 2

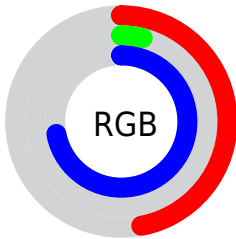
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 11, 183
Decimal	7801783
CIELab	33.09, 66.04, -64.78
CIELCh	33, 92.508, 315.553
Yxy	7.5802, 0.2350, 0.1094
Android (android.graphics.Color)	4285991863 (0xFF770BB7)
YUV	62.9000, 59.2093, 49.1997
Hunter-Lab	27.5321, 57.3329, -78.5067

# Details

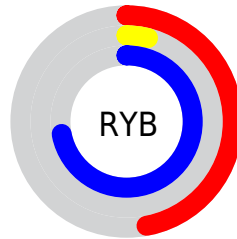
The Hex color **770BB7** is a dark color, and the websafe version is hex **9933CC**. A complement of this color would be **4BB70B**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **B14EF0**, and **3C0081** is the 20% darker color. If you saturate the color by 10%, you get **7300B7**, and if you desaturate by 10%, it is **7E1DB7**.

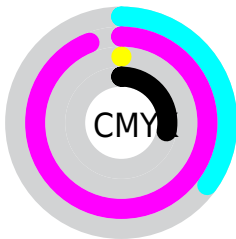
# Distribution



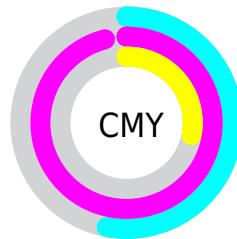
- Red (47%)
- Green (4%)
- Blue (72%)



- Red (47%)
- Yellow (4%)
- Blue (72%)



- Cyan (35%)
- Magenta (94%)
- Yellow (0%)
- Black (28%)



- Cyan (53%)
- Magenta (96%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 770BB7 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 770BB7 by changing the saturation by 10% instead.



770BB7

770BB7

FFFFFF

5A009B

B14EF0

3C0081

CF6AFF

1C0067

ED86FF

00004E

FFA2FF

000536

FFBEFF

00021F

FFDBFF

000003

FFF8FF

000000

770BB7

770BB7

7300B7

7E1DB7

8530B7

8B42B7

9254B7

9967B7

A079B7

A78BB7

AD9DB7

B4B0B7

# Harmonies

## Analogous

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



004DE0



770BB7



B70074

# Triad

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



770BB7



7C3D00



006774

# Complementary

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



770BB7



4BB70B

# 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.



006525



770BB7



3B5600

# Square

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



770BB7



AA0000



006100



0068B8

# Rectangle

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



770BB7



C30045



006100



00665A



# Sweetspot

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



770BB7



D4ABED



0B4DB7



694F78



F7F7F7



787878



# Same Dimension

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



770BB7



9500ED



B70BA3



58535C



62009C



12001C



# Inverse Universe

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



B70B4B



ED0058



0BB71F



5C5356



9C003A



1C000A



# Previews

## White Background



This preview shows how the Hex color 770BB7 looks on a white background.

## Color Contrast Check

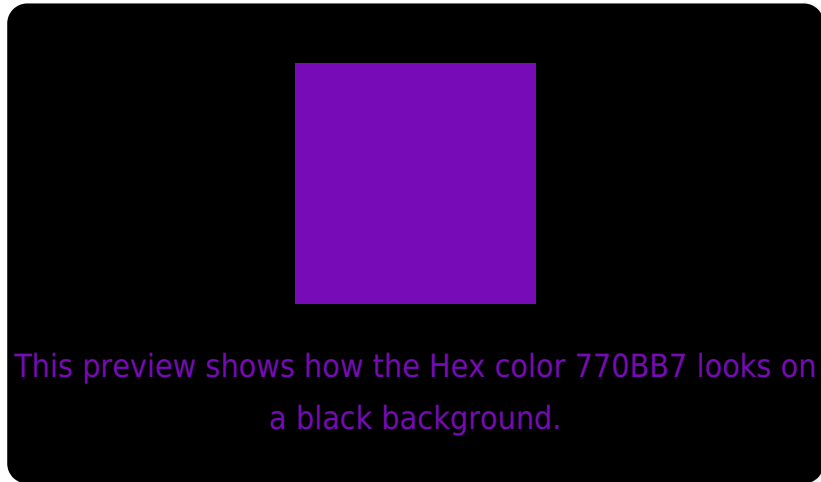
Large Text (above 18pt) WCAG AA ✓ Pass

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

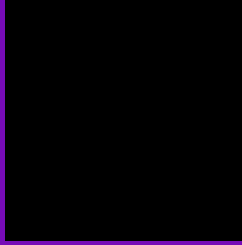
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 770BB7 Background



This preview shows how black text looks on a background with the Hex color 770BB7.

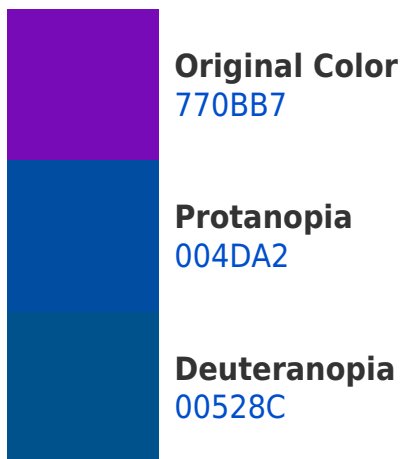



This preview shows how white text looks on a background with the Hex color 770BB7.

# 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**  
63484D

# Trichromacy



**Original Color**

770BB7



**Protanomaly**

2B35AA



**Deuteranomaly**

2B389C



**Tritanomaly**

6A3274

# Monochromacy



**Original Color**

770BB7



**Achromatopsia**

3F3F3F



**Achromatomaly**

532C6B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 770BB7 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 #770BB7 looks like.

```
.text, #text, p{  
    color:#770BB7  
}
```

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 #770BB7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #770BB7
}
```

## Border

The CSS property to change the border of an element to Hex 770BB7 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
#770BB7 }
```

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

```
.border{ border-color:#770BB7 }
```

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

Here you see how a box with a 4 pixel #770BB7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #770BB7; -webkit-box-shadow:4px 4px  
4px 4px #770BB7; box-shadow:4px 4px 4px  
4px #770BB7 }
```

# Background

The CSS property to change the background color of an element to Hex 770BB7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#770BB7 }
```

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

```
.background{ background-color:#770BB7 }
```

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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