

# Converting Colors

Hex(7731B0)

Have a look what the booklet for  
Hex(7731B0) contains.

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# Color

**Hex(7731B0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7731B0
RGB	119, 49, 176
RGB Percent	47%, 19%, 69%
CMY	0.5333, 0.8078, 0.3098
CMYK	0.32, 0.72, 0.00, 0.31
HSL	273°, 56%, 44%
HSV	273°, 72%, 69%
XYZ	16.5425, 9.2532, 41.9884
YIQ	84.4080, 0.9530, 54.3370

# Conversions

## Conversions Part 2

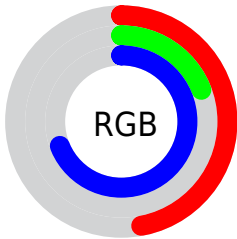
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	119, 49, 176
Decimal	7811504
CIE Lab	36.47, 53.01, -55.11
CIE LCh	36, 76.471, 313.886
Yxy	9.2532, 0.2440, 0.1365
Android (android.graphics.Color)	4286001584 (0xFF7731B0)
YUV	84.4080, 45.1549, 30.3372
Hunter-Lab	30.4190, 43.8391, -60.5468

# Details

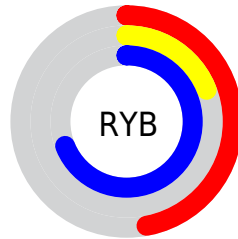
The Hex color **7731B0** is a dark color, and the websafe version is hex **660099**. A complement of this color would be **6AB031**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **AF65E8**, and **3F007A** is the 20% darker color. If you saturate the color by 10%, you get **6F1FB0**, and if you desaturate by 10%, it is **7F43B0**.

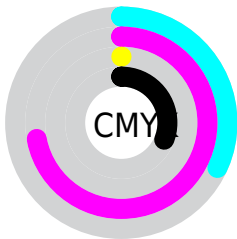
# Distribution



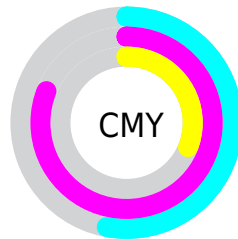
- Red (47%)
- Green (19%)
- Blue (69%)



- Red (47%)
- Yellow (19%)
- Blue (69%)



- Cyan (32%)
- Magenta (72%)
- Yellow (0%)
- Black (31%)



- Cyan (53%)
- Magenta (81%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7731B0 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 7731B0 by changing the saturation by 10% instead.



7731B0

7731B0

FFFFFF

5B1495

AF65E8

3F007A

CC80FF

220061

EA9BFF

000048

FFB7FF

000430

FFD3FF

00011B

FFF0FF

000000

7731B0

7731B0

6F1FB0

7F43B0

670EB0

8754B0

6100B0

8F66B0

9777B0

9E89B0

A69BB0

AEACB0

B6BEB0

BECFB0

# Harmonies

## Analogous

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



0055D0



7731B0



AF007A

# Triad

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



7731B0



844600



006E72

# Complementary

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



7731B0



6AB031

# 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.



006C31



7731B0



4F5C00

# Square

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



7731B0



AA1900



006700



006DAB

# Rectangle

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



7731B0



BB0051



006700



006D5D



# Sweetspot

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



7731B0



CFB3E6



316AB0



655573



F2F2F2



737373



# Same Dimension

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



7731B0



8C1EE6



B031AA



555059



540099



0E001A



# Inverse Universe

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



B0316A



E61E77



31B037



595054



990045



1A000B



# Previews

## White Background



This preview shows how the Hex color 7731B0 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

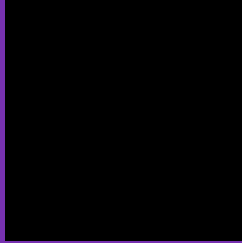
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7731B0 Background



This preview shows how black text looks on a background with the Hex color 7731B0.

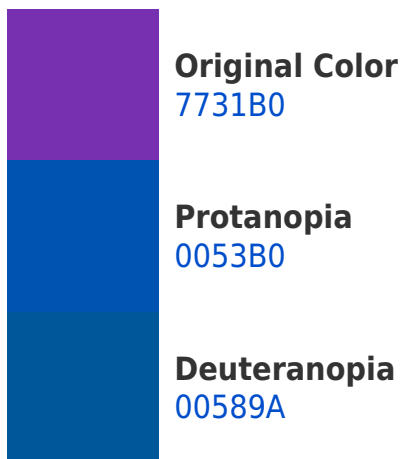


This preview shows how white text looks on a background with the Hex color 7731B0.

# 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](#).

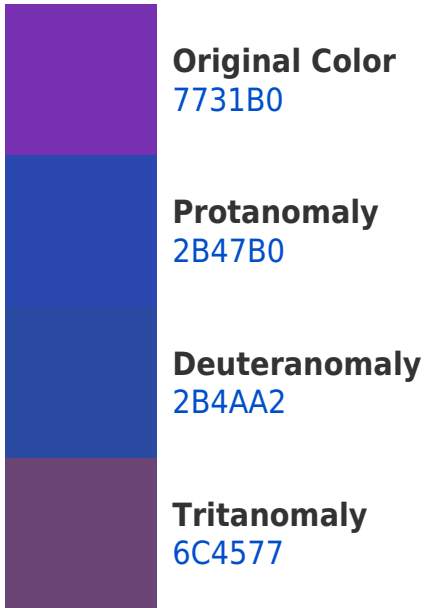
## Dichromacy



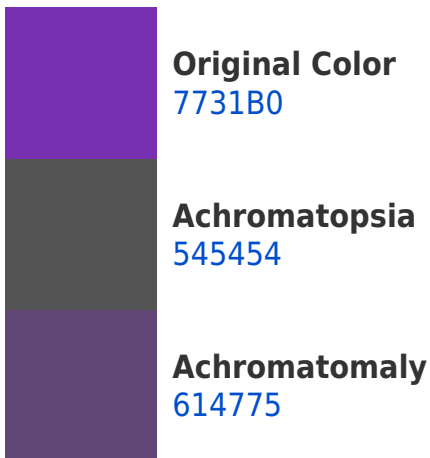


**Tritanopia**  
665056

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7731B0 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 #7731B0 looks like.

```
.text, #text, p{  
    color:#7731B0  
}
```

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 #7731B0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7731B0
}
```

## Border

The CSS property to change the border of an element to Hex 7731B0 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
#7731B0 }
```

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

```
.border{ border-color:#7731B0 }
```

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

Here you see how a box with a 4 pixel #7731B0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7731B0; -webkit-box-shadow:4px 4px  
4px 4px #7731B0; box-shadow:4px 4px 4px  
4px #7731B0 }
```

# Background

The CSS property to change the background color of an element to Hex 7731B0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7731B0 }
```

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

```
.background{ background-color:#7731B0 }
```

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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