

# Converting Colors

Hex(77A7E0)

Have a look what the booklet for  
Hex(77A7E0) contains.

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# **Color**

**Hex(77A7E0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77A7E0
RGB	119, 167, 224
RGB Percent	47%, 65%, 88%
CMY	0.5333, 0.3451, 0.1216
CMYK	0.47, 0.25, 0.00, 0.12
HSL	213°, 63%, 67%
HSV	213°, 47%, 88%
XYZ	34.8810, 36.9412, 75.8129
YIQ	159.1460, -46.9050, 7.5510

# Conversions

## Conversions Part 2

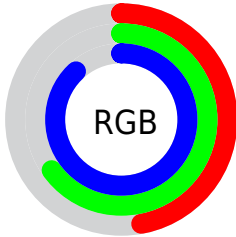
Format	Color
R <sub>Y</sub> B	119, 152, 224
Decimal	7841760
CIE Lab	67.23, -0.79, -33.76
CIE LCh	67, 33.770, 268.665
Yxy	36.9412, 0.2363, 0.2502
Android (android.graphics.Color)	4286031840 (0xFF77A7E0)
YUV	159.1460, 31.9730, -35.2080
Hunter-Lab	60.7793, -3.9232, -31.4098

# Details

The Hex color **77A7E0** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **E0B077**, and the grayscale version is **9F9F9F**.

A 20% lighter version of the original color is **B0DEFF**, and **3E73A9** is the 20% darker color. If you saturate the color by 10%, you get **619BE0**, and if you desaturate by 10%, it is **8DB3E0**.

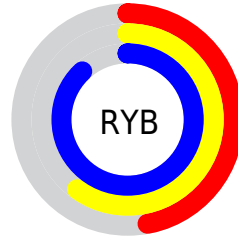
# Distribution



Red (47%)

Green (65%)

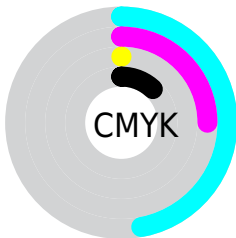
Blue (88%)



Red (47%)

Yellow (60%)

Blue (88%)

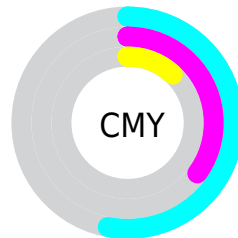


Cyan (47%)

Magenta (25%)

Yellow (0%)

Black (12%)



Cyan (53%)

Magenta (35%)

Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77A7E0 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 77A7E0 by changing the saturation by 10% instead.



■ 77A7E0

FFFFFF

■ B0DEFF

■ CCFAFF

■ EAFFFF

■ 77A7E0

■ 5B8DC4

■ 3E73A9

■ 1C5B8E

■ 004474

■ 002E5B

■ 001A43

■ 00032D

■ 000117

■ 000000

■ 77A7E0

■ 77A7E0

■ 619BE0

■ 8DB3E0

■ 4A8FE0

■ A4BFE0

■ 3483E0

■ BACBE0

■ 1D76E0

■ D1D8E0

■ 076AE0

■ E7E4E0

■ 0066E0

■ FDF0E0

■ FFFCE0

■ FFFFEO

# Harmonies

## Analogous

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



47AFD7



77A7E0



A69CD9

# Triad

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



77A7E0



DF8F88



76B183

# Complementary

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



77A7E0



E0B077

# 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.



9AAB6D



77A7E0



D29771

# Square

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



77A7E0



DC8DA6



B9A167



50B4A1

# Rectangle

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



77A7E0



BF95CC



B9A167



82AF7B

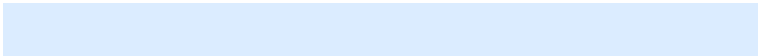


# Sweetspot

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



77A7E0



DBECFF



77E0AF



6A7480



000000



808080

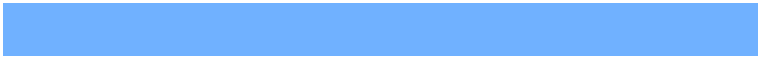


# Same Dimension

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



77A7E0



70B1FF



7B77E0



656A70



0050B0



001630



# Inverse Universe

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



E077A7



FF70B1



DDE077



70656A



B00050



300016



# Previews

## White Background



This preview shows how the Hex color 77A7E0 looks on a white background.

## Color Contrast Check

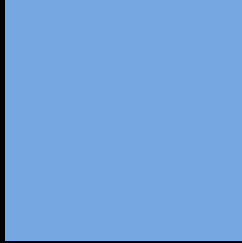
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 77A7E0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

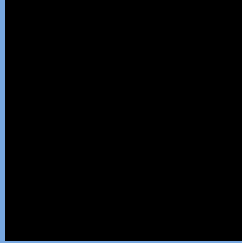
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

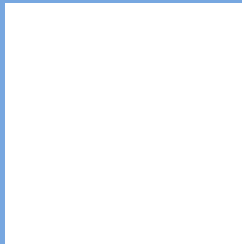
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 77A7E0 Background



This preview shows how black text looks on a background with the Hex color 77A7E0.

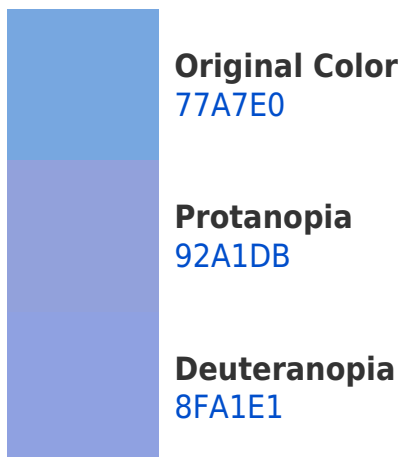


This preview shows how white text looks on a background with the Hex color 77A7E0.

# Color Blindness Simulation

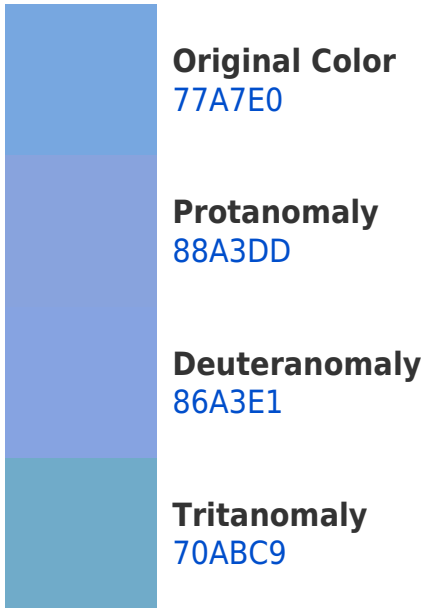
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

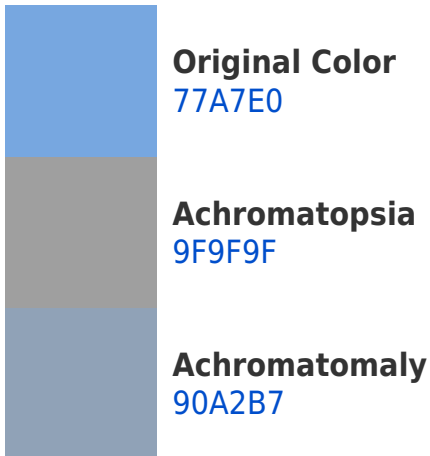




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77A7E0 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 #77A7E0 looks like.

```
.text, #text, p{  
    color:#77A7E0  
}
```

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 #77A7E0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77A7E0
}
```

## Border

The CSS property to change the border of an element to Hex 77A7E0 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
#77A7E0 }
```

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

```
.border{ border-color:#77A7E0 }
```

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

Here you see how a box with a 4 pixel #77A7E0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77A7E0; -webkit-box-shadow:4px 4px  
4px 4px #77A7E0; box-shadow:4px 4px 4px  
4px #77A7E0 }
```

# Background

The CSS property to change the background color of an element to Hex 77A7E0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77A7E0 }
```

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

```
.background{ background-color:#77A7E0 }
```

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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