

# Converting Colors

Hex(77B2D7)

Have a look what the booklet for  
Hex(77B2D7) contains.

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# **Color**

**Hex(77B2D7)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	77B2D7
RGB	119, 178, 215
RGB Percent	47%, 70%, 84%
CMY	0.5333, 0.3020, 0.1569
CMYK	0.45, 0.17, 0.00, 0.16
HSL	203°, 55%, 65%
HSV	203°, 45%, 84%
XYZ	35.7939, 40.6690, 70.2533
YIQ	164.5770, -47.0410, -1.0010

# Conversions

## Conversions Part 2

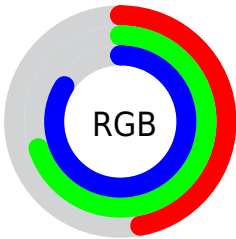
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 156, 215
Decimal	7844567
CIELab	69.94, -9.37, -24.64
CIElCh	70, 26.366, 249.174
Yxy	40.6690, 0.2440, 0.2772
Android (android.graphics.Color)	4286034647 (0xFF77B2D7)
YUV	164.5770, 24.8585, -39.9710
Hunter-Lab	63.7723, -11.4136, -20.6750

# Details

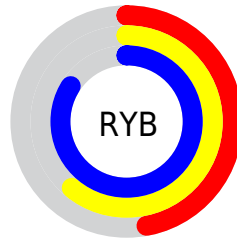
The Hex color **77B2D7** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **D79C77**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **AFEAFF**, and **3F7DA0** is the 20% darker color. If you saturate the color by 10%, you get **62AAD7**, and if you desaturate by 10%, it is **8DBAD7**.

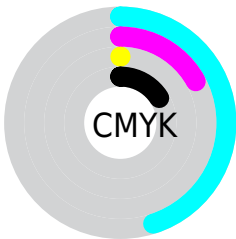
# Distribution



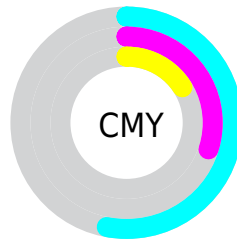
- Red (47%)
- Green (70%)
- Blue (84%)



- Red (47%)
- Yellow (61%)
- Blue (84%)



- Cyan (45%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)



- Cyan (53%)
- Magenta (30%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77B2D7 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 77B2D7 by changing the saturation by 10% instead.



 77B2D7

 77B2D7

FFFFFF

 5B97BB

 AFEAFF

 3F7DA0

 CCFFFF

 1F6486

 E9FFFF

 004D6C

 003654

 00213D

 000327

 000111

 000000

■ 77B2D7

■ 77B2D7

■ 62AAD7

■ 8DBAD7

■ 4CA1D7

■ A2C3D7

■ 3799D7

■ B8CBD7

■ 2191D7

■ CDD3D7

■ 0C89D7

■ E3DBD7

■ 0084D7

■ F8E4D7

■ FFECD7

■ FFF4D7

■ FFFDD7

# Harmonies

## Analogous

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



64B7C8



77B2D7



98ABDA

# Triad

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



77B2D7



DB99A4



9AB385

# Complementary

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



77B2D7



D79C77

# 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.



B5AC7C



77B2D7



D99D8E

# Square

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



77B2D7



D09CBC



CBA47F



7FB799

# Rectangle

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



77B2D7



AEA5D5



CBA47F



A3B181

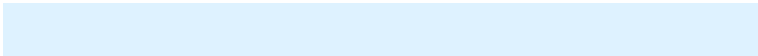


# Sweetspot

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



77B2D7



DEF2FF



77D79C



6B7880



000000



808080

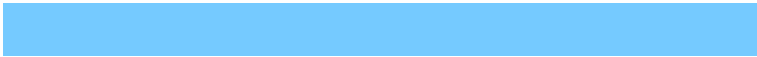


# Same Dimension

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



77B2D7



75CAFF



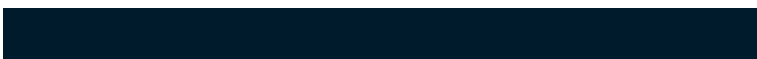
7782D7



60676B



0069AB



001B2B



# Inverse Universe

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



D777B2



FF75CA



D7CC77



6B6067



AB0069

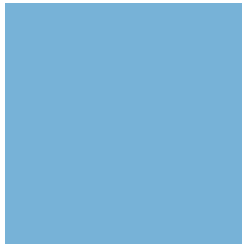


2B001B



# Previews

## White Background



This preview shows how the Hex color 77B2D7 looks on a white background.

## Color Contrast Check

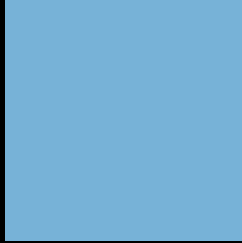
Large Text (above 18pt) WCAG AA × Fail

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 77B2D7 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 77B2D7 Background



This preview shows how black text looks on a background with the Hex color 77B2D7.

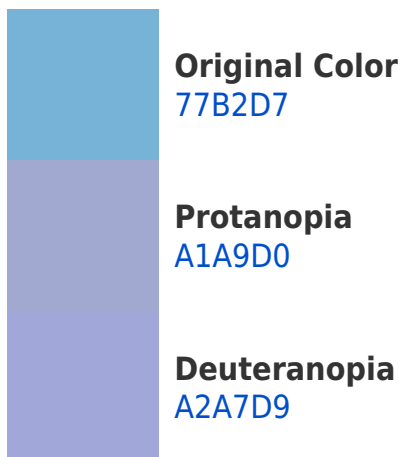


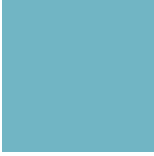
This preview shows how white text looks on a background with the Hex color 77B2D7.

# 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](#).

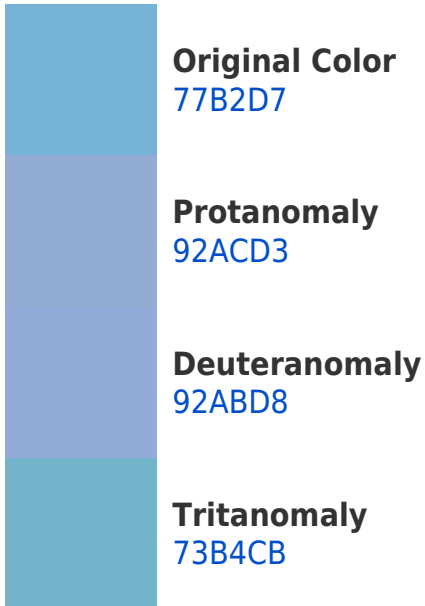
## Dichromacy



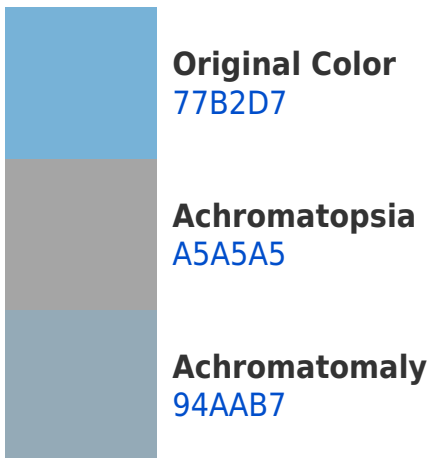


**Tritanopia**  
71B5C4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77B2D7 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 #77B2D7 looks like.

```
.text, #text, p{  
    color:#77B2D7  
}
```

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 #77B2D7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77B2D7
}
```

## Border

The CSS property to change the border of an element to Hex 77B2D7 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
#77B2D7 }
```

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

```
.border{ border-color:#77B2D7 }
```

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

Here you see how a box with a 4 pixel #77B2D7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77B2D7; -webkit-box-shadow:4px 4px  
4px 4px #77B2D7; box-shadow:4px 4px 4px  
4px #77B2D7 }
```

# Background

The CSS property to change the background color of an element to Hex 77B2D7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77B2D7 }
```

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

```
.background{ background-color:#77B2D7 }
```

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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