

# Converting Colors

Hex(77ACEC)

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

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# **Color**

**Hex(77ACEC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77ACEC
RGB	119, 172, 236
RGB Percent	47%, 67%, 93%
CMY	0.5333, 0.3255, 0.0745
CMYK	0.50, 0.27, 0.00, 0.07
HSL	213°, 75%, 70%
HSV	213°, 50%, 93%
XYZ	37.5006, 39.4831, 85.0014
YIQ	163.4490, -52.1320, 8.6680

# Conversions

## Conversions Part 2

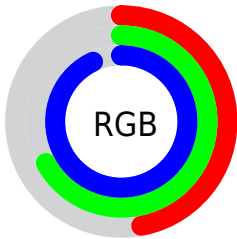
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">119, 155, 236</a>
Decimal	<a href="#">7843052</a>
CIELab	<a href="#">69.10, -0.09, -37.43</a>
CIElCh	<a href="#">69, 37.432, 269.866</a>
Yxy	<a href="#">39.4831, 0.2315, 0.2437</a>
Android (android.graphics.Color)	<a href="#">4286033132 (0xFF77ACEC)</a>
YUV	<a href="#">163.4490, 35.7676, -38.9818</a>
Hunter-Lab	<a href="#">62.8356, -3.4326, -36.2201</a>

# Details

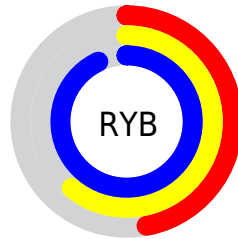
The Hex color **77ACEC** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **ECB777**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **B1E3FF**, and **3C78B4** is the 20% darker color. If you saturate the color by 10%, you get **5F9FEC**, and if you desaturate by 10%, it is **8FB9EC**.

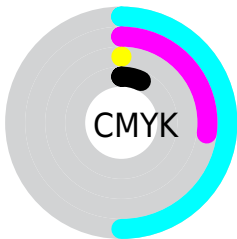
# Distribution



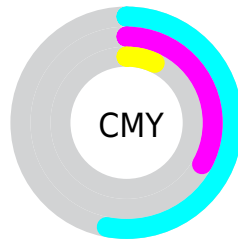
- Red (47%)
- Green (67%)
- Blue (93%)



- Red (47%)
- Yellow (61%)
- Blue (93%)



- Cyan (50%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)



- Cyan (53%)
- Magenta (33%)
- Yellow (7%)

# Brightness & Saturation Gradients

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



■ 77ACEC

■ 77ACEC

FFFFFF

■ 5A92D0

■ B1E3FF

■ 3C78B4

■ CEFFFF

■ 155F99

■ EBFFFF

■ 00487F

■ 003265

■ 001E4D

■ 000536

■ 000220

■ 000003

 77ACEC

 77ACEC

 5F9FEC

 8FB9EC

 4892EC

 A6C6EC

 3085EC

 BED3EC

 1978EC

 D5E0EC

 016BEC

 EDEDEC

 006BEC

 FFF9EC

 FFFFEC

# Harmonies

## Analogous

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



3AB5E2



77ACEC



ACA0E3

# Triad

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



77ACEC



EA9189



73B886

# Complementary

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



77ACEC



ECB777

# 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.



9CB16D



77ACEC



DA9B6F

# Square

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



77ACEC



E88EAA



BFA764



45BBA7

# Rectangle

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



77ACEC



C898D5



BFA764



81B67C

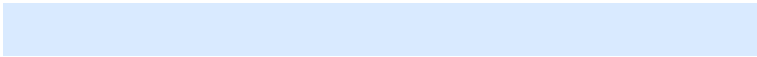


# Sweetspot

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



77ACEC



D9EAFF



77ECB5



697380



000000



808080

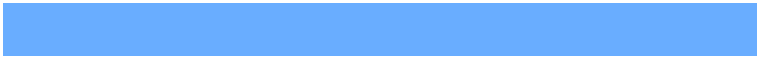


# Same Dimension

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



77ACEC



69ADFF



7B77EC



6A6F75



0052B5



001836



# Inverse Universe

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



EC77AC



FF69AD



E8EC77



756A6F



B50052

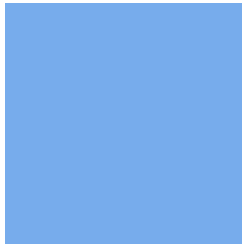


360018



# Previews

## White Background



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

## Color Contrast Check

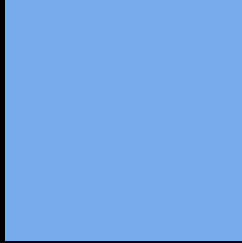
Large Text (above 18pt) WCAG AA × Fail

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 77ACEC looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

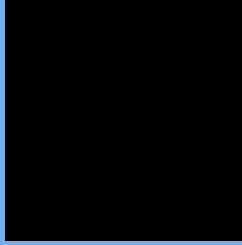
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

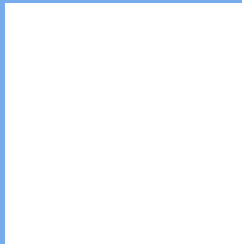
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 77ACEC Background



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

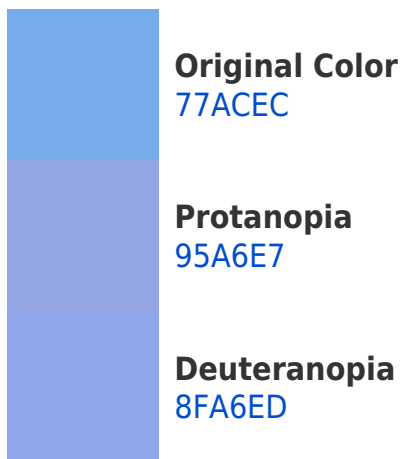


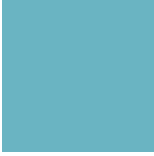
This preview shows how white text looks on a background with the Hex color 77ACEC.

# 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](#).

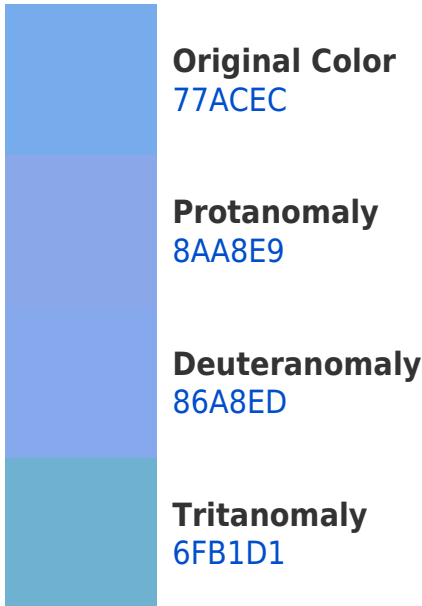
## Dichromacy



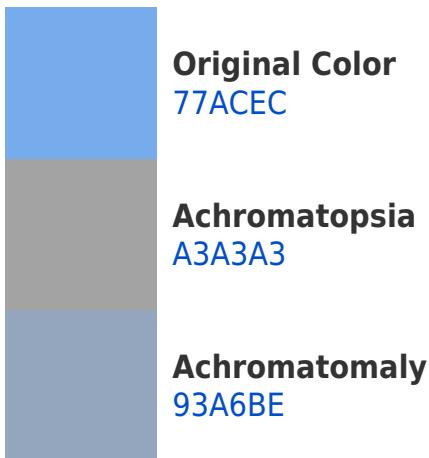


**Tritanopia**  
6AB4C2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #77ACEC colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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