

# Converting Colors

Hex(77AEE8)

Have a look what the booklet for  
Hex(77AEE8) contains.

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# **Color**

**Hex(77AEE8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77AEE8
RGB	119, 174, 232
RGB Percent	47%, 68%, 91%
CMY	0.5333, 0.3176, 0.0902
CMYK	0.49, 0.25, 0.00, 0.09
HSL	211°, 71%, 69%
HSV	211°, 49%, 91%
XYZ	37.3093, 40.0202, 82.1022
YIQ	164.1670, -51.3980, 6.3780

# Conversions

## Conversions Part 2

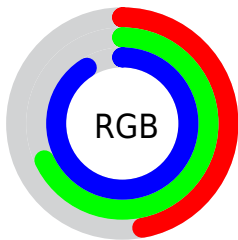
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">119, 156, 232</a>
Decimal	<a href="#">7843560</a>
CIELab	<a href="#">69.48, -2.37, -34.65</a>
CIElCh	<a href="#">69, 34.733, 266.090</a>
Yxy	<a href="#">40.0202, 0.2340, 0.2510</a>
Android (android.graphics.Color)	<a href="#">4286033640 (0xFF77AEE8)</a>
YUV	<a href="#">164.1670, 33.4417, -39.6115</a>
Hunter-Lab	<a href="#">63.2616, -5.4351, -32.6648</a>

# Details

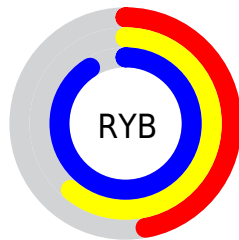
The Hex color **77AEE8** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **E8B177**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **B0E5FF**, and **3C7AB0** is the 20% darker color. If you saturate the color by 10%, you get **60A2E8**, and if you desaturate by 10%, it is **8EBAE8**.

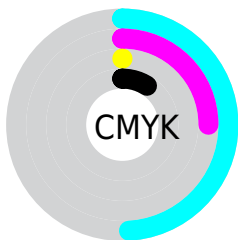
# Distribution



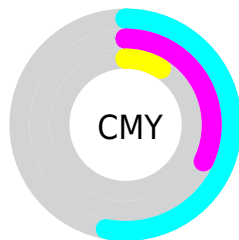
- Red (47%)
- Green (68%)
- Blue (91%)



- Red (47%)
- Yellow (61%)
- Blue (91%)



- Cyan (49%)
- Magenta (25%)
- Yellow (0%)
- Black (9%)



- Cyan (53%)
- Magenta (32%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77AEE8 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 77AEE8 by changing the saturation by 10% instead.



■ 77AEE8

■ 77AEE8

FFFFFF

■ 5A93CC

■ B0E5FF

■ 3C7AB0

■ CDFFFF

■ 176195

■ EBFFFF

■ 004A7B

■ 003362

■ 001F4A

■ 000433

■ 00021D

■ 000000

 77AEE8

 77AEE8

 60A2E8

 8EBAE8

 4996E8

 A5C6E8

 318AE8

 BDD2E8

 1A7EE8

 D4DEE8

 0372E8

 EBAAE8

 0071E8

 FFF5E8

 FFFFE8

# Harmonies

## Analogous

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



46B6DD



77AEE8



A8A3E2

# Triad

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



77AEE8



E79390



7EB786

# Complementary

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



77AEE8



E8B177

# 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.



A3B070



77AEE8



DB9C77

# Square

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



77AEE8



E392AF



C3A66B



57BAA4

# Rectangle

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



77AEE8



C39CD6



C3A66B



8AB57D



# Sweetspot

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



77AEE8



D9EBFF



77E8B0



697480



000000



808080

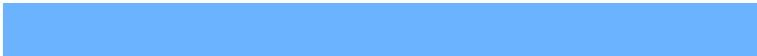


# Same Dimension

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



77AEE8



6BB3FF



7777E8



676D73



0057B3



001933



# Inverse Universe

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



E877AE



FF6BB3



E8E877



73676D



B30057

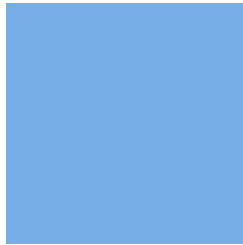


330019



# Previews

## White Background



This preview shows how the Hex color 77AEE8 looks on a white background.

## Color Contrast Check

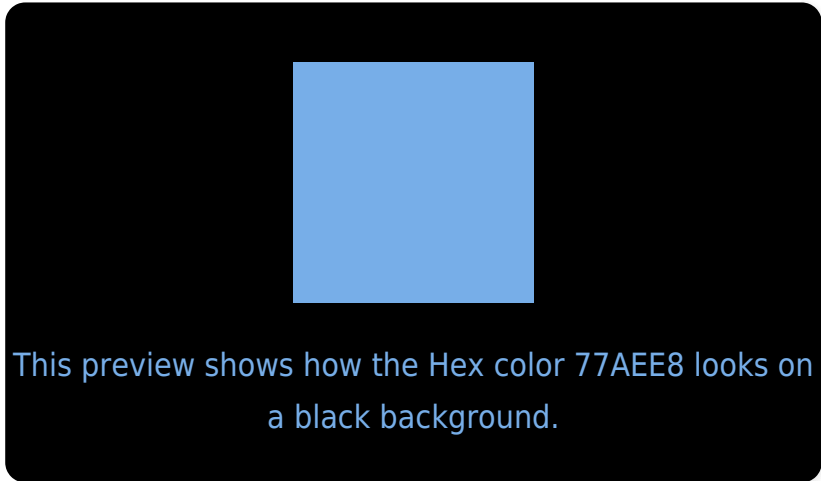
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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

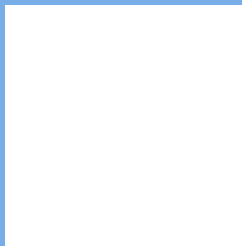
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 77AEE8 Background



This preview shows how black text looks on a background with the Hex color 77AEE8.

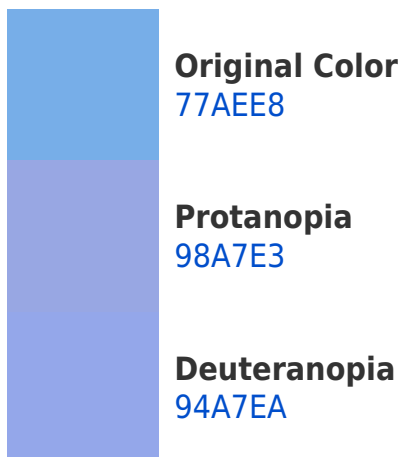


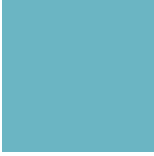
This preview shows how white text looks on a background with the Hex color 77AEE8.

# 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](#).

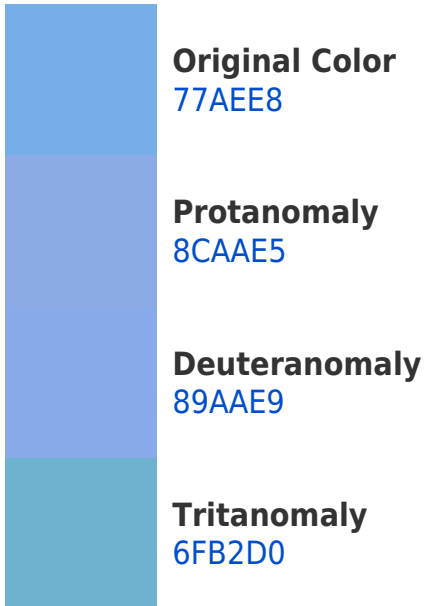
## Dichromacy



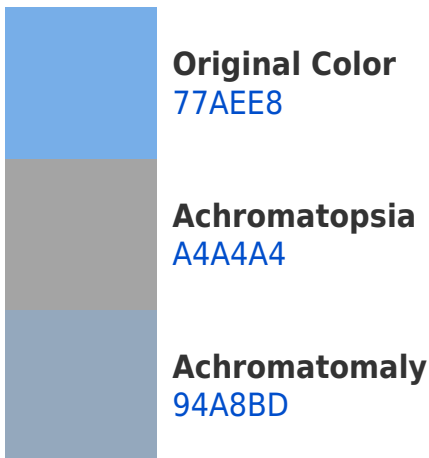


**Tritanopia**  
6BB5C3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77AEE8 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 #77AEE8 looks like.

```
.text, #text, p{  
    color:#77AEE8  
}
```

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 #77AEE8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77AEE8
}
```

## Border

The CSS property to change the border of an element to Hex 77AEE8 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
#77AEE8 }
```

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

```
.border{ border-color:#77AEE8 }
```

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

Here you see how a box with a 4 pixel #77AEE8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77AEE8; -webkit-box-shadow:4px 4px  
4px 4px #77AEE8; box-shadow:4px 4px 4px  
4px #77AEE8 }
```

# Background

The CSS property to change the background color of an element to Hex 77AEE8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77AEE8 }
```

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

```
.background{ background-color:#77AEE8 }
```

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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