

# Converting Colors

Hex(77EBF4)

Have a look what the booklet for  
Hex(77EBF4) contains.

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# **Color**

**Hex(77EBF4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77EBF4
RGB	119, 235, 244
RGB Percent	47%, 92%, 96%
CMY	0.5333, 0.0784, 0.0431
CMYK	0.51, 0.04, 0.00, 0.04
HSL	184°, 85%, 71%
HSV	184°, 51%, 96%
XYZ	53.6452, 69.8703, 96.2469
YIQ	201.3420, -72.0250, -21.7930

# Conversions

## Conversions Part 2

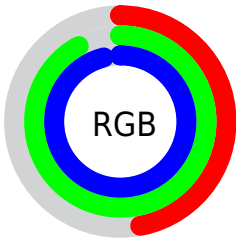
Format	Color
R <sub>YB</sub>	119, 179, 244
Decimal	7859188
CIE <sub>Lab</sub>	86.93, -30.47, -14.47
CIE <sub>LCh</sub>	87, 33.733, 205.405
Yxy	69.8703, 0.2441, 0.3179
Android (android.graphics.Color)	4286049268 (0xFF77EBF4)
YUV	201.3420, 21.0304, -72.2139
Hunter-Lab	83.5884, -31.7224, -9.7568

# Details

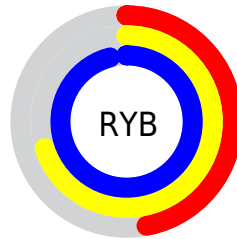
The Hex color **77EBF4** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **F48077**, and the grayscale version is **C9C9C9**.

A 20% lighter version of the original color is **B3FFFF**, and **34B3BC** is the 20% darker color. If you saturate the color by 10%, you get **5FE9F4**, and if you desaturate by 10%, it is **8FEDF4**.

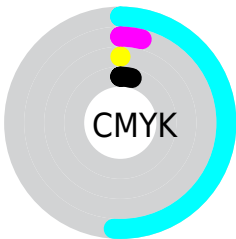
# Distribution



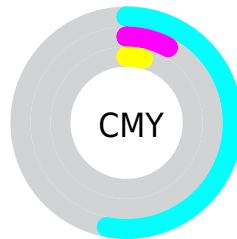
- Red (47%)
- Green (92%)
- Blue (96%)



- Red (47%)
- Yellow (70%)
- Blue (96%)



- Cyan (51%)
- Magenta (4%)
- Yellow (0%)
- Black (4%)



- Cyan (53%)
- Magenta (8%)
- Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77EBF4 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 77EBF4 by changing the saturation by 10% instead.



 77EBF4

 77EBF4

FFFFFF

 58CFD8

 B3FFFF

 34B3BC

 D1FFFF

 0098A1

 F0FFFF

 007E87

 00646D

 004C55

 00343E

 002128

 000114

 77EBF4

 77EBF4

 5FE9F4

 8FEDF4

 46E7F4

 A8EFF4

 2EE6F4

 C0F0F4

 15E4F4

 D9F2F4

 00E2F4

 F1F4F4

 FFF6F4

 FFF7F4

 FFF9F4

 FFFBF4

# Harmonies

## Analogous

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



8CEBD3



77EBF4



82E7FF

# Triad

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



77EBF4



FEC9FE



F5D69A

# Complementary

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



77EBF4



F48077

# 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.



FFCBA6



77EBF4



FFC2E0

# Square

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



77EBF4



D8D3FF



FFC4C0



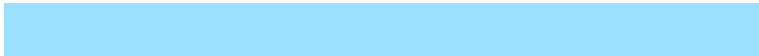
D4E09F

# Rectangle

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



77EBF4



9BE1FF



FFC4C0



FFD29C

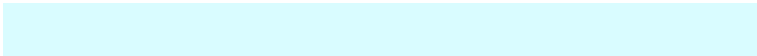


# Sweetspot

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



77EBF4



D9FCFF



77F47F



697E80



000000



808080



# Same Dimension

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



77EBF4



63F4FF



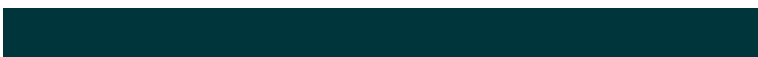
77ADF4



6E7A7A



00ADBA



00363B



# Inverse Universe

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



F477EB



FF63F4



F4BE77



7A6E7A



BA00AD

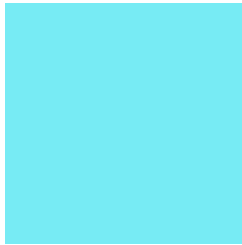


3B0036



# Previews

## White Background



This preview shows how the Hex color 77EBF4 looks on a white background.

## Color Contrast Check

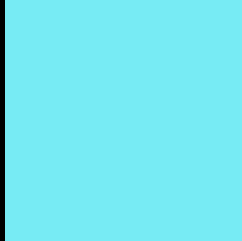
Large Text (above 18pt) WCAG AA × Fail

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 77EBF4 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 77EBF4 Background



This preview shows how black text looks on a background with the Hex color 77EBF4.

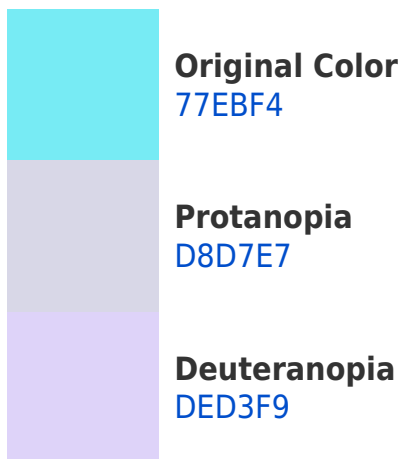


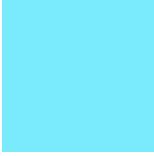
This preview shows how white text looks on a background with the Hex color 77EBF4.

# 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



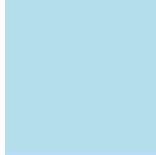


**Tritanopia**  
7AEAFD

# Trichromacy



**Original Color**  
77EBF4



**Protanomaly**  
B5DEEC



**Deuteranomaly**  
B9DCF7

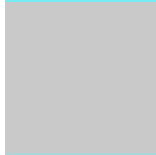


**Tritanomaly**  
79EAFA

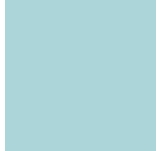
# Monochromacy



**Original Color**  
77EBF4



**Achromatopsia**  
C9C9C9



**Achromatomaly**  
ABD5D9

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77EBF4 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 #77EBF4 looks like.

```
.text, #text, p{  
    color:#77EBF4  
}
```

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 #77EBF4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77EBF4
}
```

## Border

The CSS property to change the border of an element to Hex 77EBF4 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
#77EBF4 }
```

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

```
.border{ border-color:#77EBF4 }
```

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

Here you see how a box with a 4 pixel #77EBF4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77EBF4; -webkit-box-shadow:4px 4px  
4px 4px #77EBF4; box-shadow:4px 4px 4px  
4px #77EBF4 }
```

# Background

The CSS property to change the background color of an element to Hex 77EBF4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77EBF4 }
```

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

```
.background{ background-color:#77EBF4 }
```

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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