

# Converting Colors

Hex(77AAF7)

Have a look what the booklet for  
Hex(77AAF7) contains.

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# **Color**

**Hex(77AAF7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77AAF7
RGB	119, 170, 247
RGB Percent	47%, 67%, 97%
CMY	0.5333, 0.3333, 0.0314
CMYK	0.52, 0.31, 0.00, 0.03
HSL	216°, 89%, 72%
HSV	216°, 52%, 97%
XYZ	38.7710, 39.3868, 93.5546
YIQ	163.5290, -55.1130, 13.1350

# Conversions

## Conversions Part 2

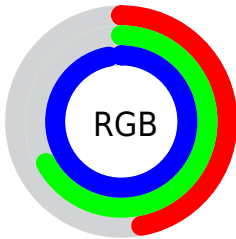
Format	Color
R <sub>Y</sub> B	119, 155, 247
Decimal	7842551
CIE Lab	69.03, 4.31, -43.53
CIE LCh	69, 43.744, 275.649
Yxy	39.3868, 0.2258, 0.2294
Android (android.graphics.Color)	4286032631 (0xFF77AAF7)
YUV	163.5290, 41.1512, -39.0519
Hunter-Lab	62.7589, 0.4451, -44.4523

# Details

The Hex color **77AAF7** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **F7C477**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **B1E1FF**, and **3976BE** is the 20% darker color. If you saturate the color by 10%, you get **5E9BF7**, and if you desaturate by 10%, it is **90B9F7**.

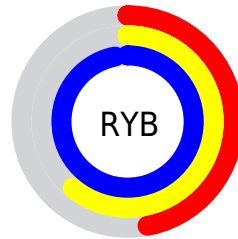
# Distribution



Red (47%)

Green (67%)

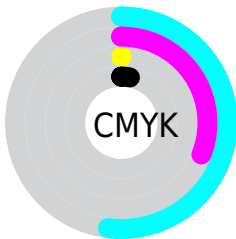
Blue (97%)



Red (47%)

Yellow (61%)

Blue (97%)

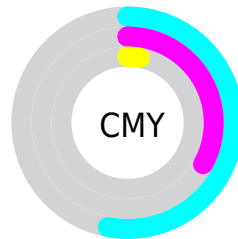


Cyan (52%)

Magenta (31%)

Yellow (0%)

Black (3%)



Cyan (53%)

Magenta (33%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77AAF7 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 77AAF7 by changing the saturation by 10% instead.



 77AAF7

 77AAF7

FFFFFF

 5990DA

 B1E1FF

 3976BE

 CFFEFF

 0A5EA3

 EDFFFF

 004788

 00316F

 001D56

 00063E

 000327

 000111

■ 77AAF7

■ 77AAF7

■ 5E9BF7

■ 90B9F7

■ 468CF7

■ A8C8F7

■ 2D7DF7

■ C1D7F7

■ 146FF7

■ DAE5F7

■ 0062F7

■ F3F4F7

■ FFFFF7

# Harmonies

## Analogous

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



00B5F0



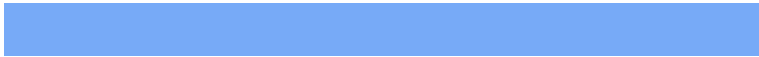
77AAF7



B69BE9

# Triad

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



77AAF7



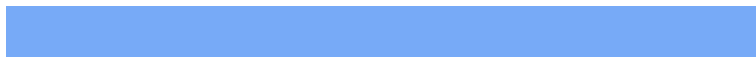
F08E7C



5DBB86

# Complementary

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



77AAF7



F7C477

# 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.



90B466



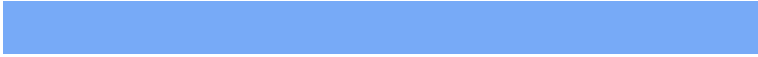
77AAF7



DC9B61

# Square

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



77AAF7



F388A2



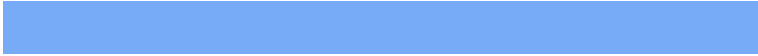
BAA958



00BDAF

# Rectangle

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



77AAF7



D492D6



BAA958

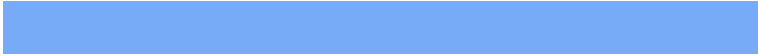


6FB97A

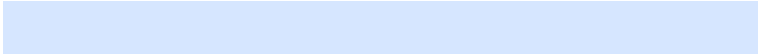


# Sweetspot

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



77AAF7



D6E6FF



77F7C4



677180



000000



808080

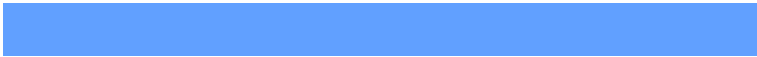


# Same Dimension

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



77AAF7



61A0FF



8477F7



6E737A



004ABA



00173B



# Inverse Universe

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



F777AA



FF61A0



EAF777



7A6E73



BA004A

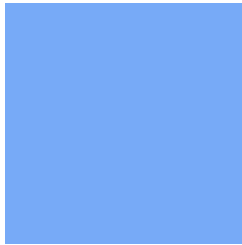


3B0017



# Previews

## White Background



This preview shows how the Hex color 77AAF7 looks on a white background.

## Color Contrast Check

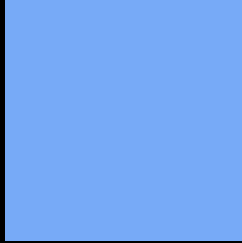
Large Text (above 18pt) WCAG AA × Fail

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 77AAF7 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

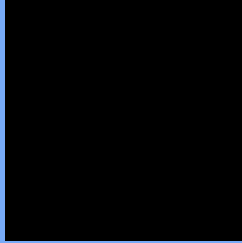
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

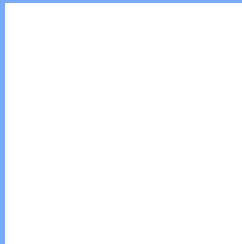
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 77AAF7 Background



This preview shows how black text looks on a background with the Hex color 77AAF7.



This preview shows how white text looks on a background with the Hex color 77AAF7.

# 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](#).

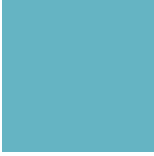
## Dichromacy



**Original Color**  
77AAF7

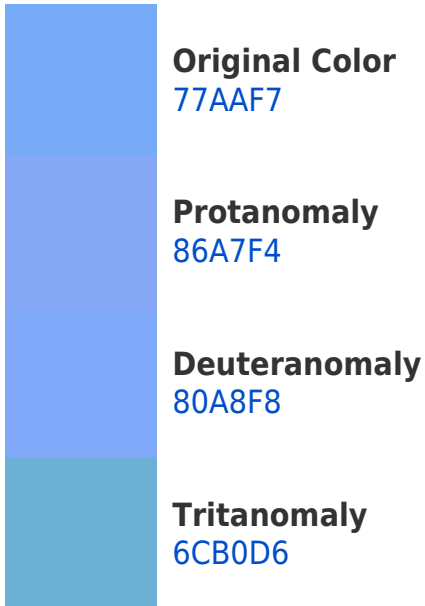
**Protanopia**  
8EA5F3

**Deuteranopia**  
85A7F8

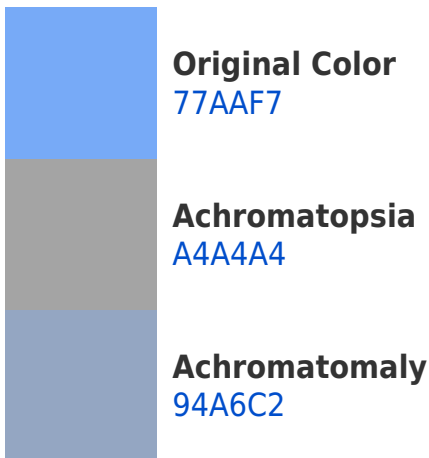


**Tritanopia**  
65B4C3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77AAF7 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 #77AAF7 looks like.

```
.text, #text, p{  
    color:#77AAF7  
}
```

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 #77AAF7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77AAF7
}
```

## Border

The CSS property to change the border of an element to Hex 77AAF7 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
#77AAF7 }
```

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

```
.border{ border-color:#77AAF7 }
```

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

Here you see how a box with a 4 pixel #77AAF7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77AAF7; -webkit-box-shadow:4px 4px  
4px 4px #77AAF7; box-shadow:4px 4px 4px  
4px #77AAF7 }
```

# Background

The CSS property to change the background color of an element to Hex 77AAF7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77AAF7 }
```

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

```
.background{ background-color:#77AAF7 }
```

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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