

# Converting Colors

Hex(76A6EF)

Have a look what the booklet for  
Hex(76A6EF) contains.

<b>Hex(76A6EF)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(76A6EF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	76A6EF
RGB	118, 166, 239
RGB Percent	46%, 65%, 94%
CMY	0.5373, 0.3490, 0.0627
CMYK	0.51, 0.31, 0.00, 0.06
HSL	216°, 79%, 70%
HSV	216°, 51%, 94%
XYZ	36.6874, 37.3560, 86.9381
YIQ	159.9700, -52.0410, 12.5270

# Conversions

## Conversions Part 2

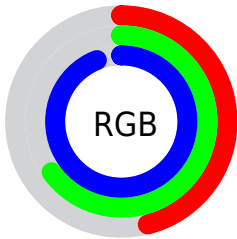
Format	Color
R <sub>Y</sub> B	118, 152, 239
Decimal	7775983
CIE Lab	67.54, 3.95, -41.50
CIE LCh	68, 41.692, 275.438
Yxy	37.3560, 0.2279, 0.2321
Android (android.graphics.Color)	4285966063 (0xFF76A6EF)
YUV	159.9700, 38.9618, -36.8077
Hunter-Lab	61.1195, 0.1866, -41.5521

# Details

The Hex color **76A6EF** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **EFBF76**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **B0DDFF**, and **3A72B7** is the 20% darker color. If you saturate the color by 10%, you get **5E98EF**, and if you desaturate by 10%, it is **8EB4EF**.

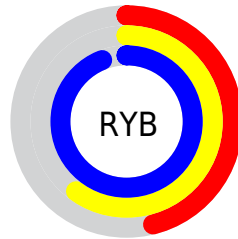
# Distribution



Red (46%)

Green (65%)

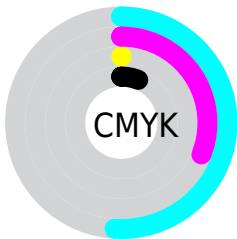
Blue (94%)



Red (46%)

Yellow (60%)

Blue (94%)

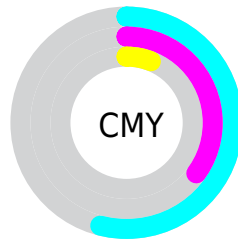


Cyan (51%)

Magenta (31%)

Yellow (0%)

Black (6%)



Cyan (54%)

Magenta (35%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 76A6EF 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 76A6EF by changing the saturation by 10% instead.



 76A6EF

 76A6EF

FFFFFF

 598CD2

 B0DDFF

 3A72B7

 CDF9FF

 0F5A9C

 EBFFFF

 004381

 002D68

 001A4F

 000538

 000221

 000007

■ 76A6EF

■ 76A6EF

■ 5E98EF

■ 8EB4EF

■ 4689EF

■ A6C3EF

■ 2E7BEF

■ BED1EF

■ 166CEF

■ D6E0EF

■ 005FEF

■ EDEEEF

■ FFFDEF

■ FFFFEF

# Harmonies

## Analogous

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



18B1E8



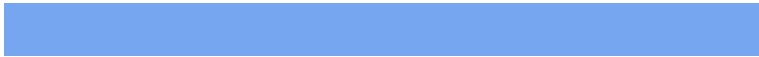
76A6EF



B198E2

# Triad

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



76A6EF



E98B7B



5EB684

# Complementary

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



76A6EF



EFBF76

# 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.



8EAF66



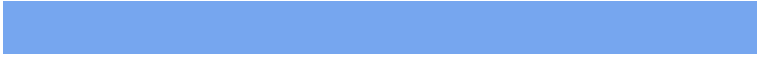
76A6EF



D69761

# Square

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



76A6EF



EC869F



B6A558



09B8AA

# Rectangle

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



76A6EF



CE8FD0



B6A558

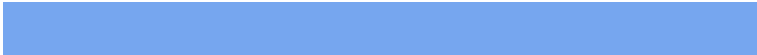


6FB478

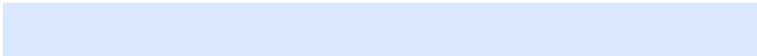


# Sweetspot

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



76A6EF



D9E8FF



76EFBF



697280



000000



808080

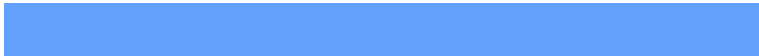


# Same Dimension

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



76A6EF



63A1FF



8276EF



6C7178



0049B8



001638



# Inverse Universe

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



EF76A6



FF63A1



E3EF76



786C71



B80049

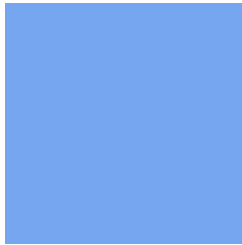


380016



# Previews

## White Background



This preview shows how the Hex color 76A6EF looks on a white background.

## Color Contrast Check

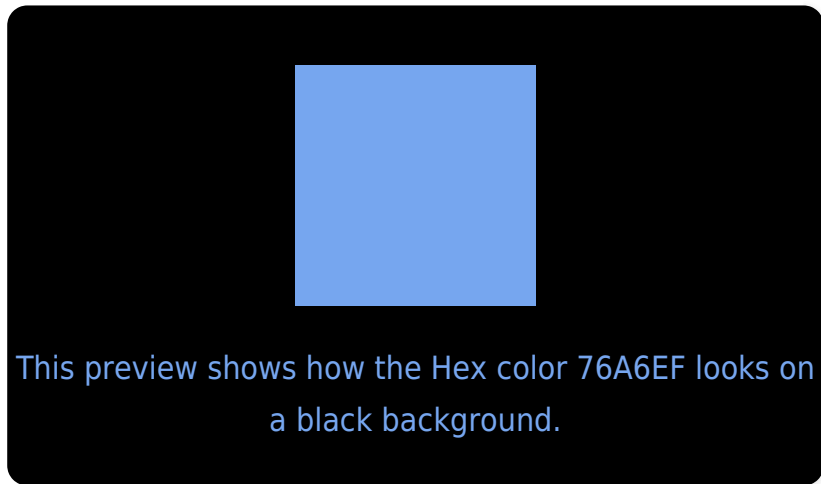
Large Text (above 18pt) WCAG AA × Fail

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

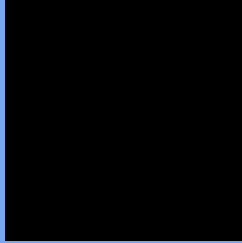
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

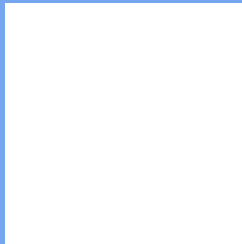
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 76A6EF Background



This preview shows how black text looks on a background with the Hex color 76A6EF.

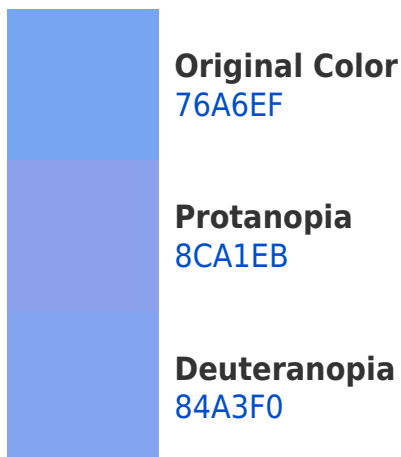


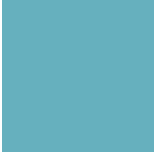
This preview shows how white text looks on a background with the Hex color 76A6EF.

# 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](#).

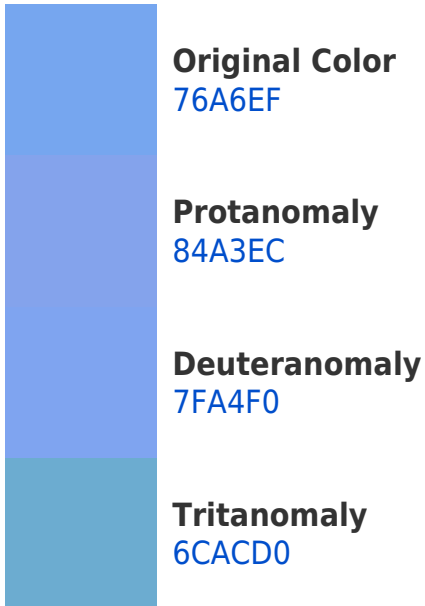
## Dichromacy



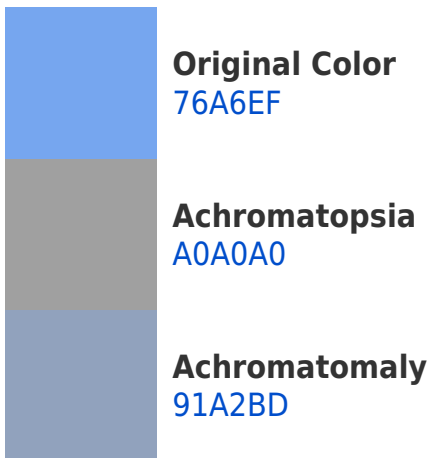


**Tritanopia**  
66B0BE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 76A6EF 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 #76A6EF looks like.

```
.text, #text, p{  
    color:#76A6EF  
}
```

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 #76A6EF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #76A6EF
}
```

## Border

The CSS property to change the border of an element to Hex 76A6EF 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
#76A6EF }
```

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

```
.border{ border-color:#76A6EF }
```

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

Here you see how a box with a 4 pixel #76A6EF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #76A6EF; -webkit-box-shadow:4px 4px  
4px 4px #76A6EF; box-shadow:4px 4px 4px  
4px #76A6EF }
```

# Background

The CSS property to change the background color of an element to Hex 76A6EF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#76A6EF }
```

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

```
.background{ background-color:#76A6EF }
```

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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