

# Converting Colors

Hex(7AAEF0)

Have a look what the booklet for  
Hex(7AAEF0) contains.

<b>Hex(7AAEF0)</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(7AAEF0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7AAEF0
RGB	122, 174, 240
RGB Percent	48%, 68%, 94%
CMY	0.5216, 0.3176, 0.0588
CMYK	0.49, 0.27, 0.00, 0.06
HSL	214°, 80%, 71%
HSV	214°, 49%, 94%
XYZ	38.8903, 40.7009, 88.2444
YIQ	165.9760, -52.1780, 9.5020

# Conversions

## Conversions Part 2

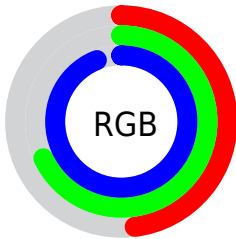
Format	Color
R <sub>Y</sub> B	122, 158, 240
Decimal	8040176
CIE Lab	69.97, 0.65, -38.25
CIE LCh	70, 38.257, 270.980
Yxy	40.7009, 0.2317, 0.2425
Android (android.graphics.Color)	4286230256 (0xFF7AAEF0)
YUV	165.9760, 36.4938, -38.5670
Hunter-Lab	63.7973, -2.8332, -37.3518

# Details

The Hex color **7AAEF0** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **F0BC7A**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **B4E5FF**, and **3F7AB8** is the 20% darker color. If you saturate the color by 10%, you get **62A1F0**, and if you desaturate by 10%, it is **92BBF0**.

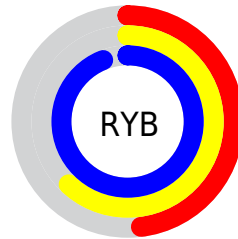
# Distribution



Red (48%)

Green (68%)

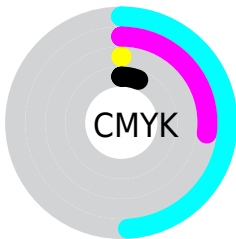
Blue (94%)



Red (48%)

Yellow (62%)

Blue (94%)

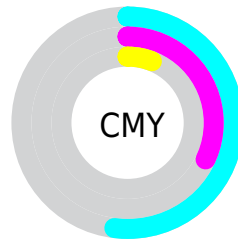


Cyan (49%)

Magenta (27%)

Yellow (0%)

Black (6%)



Cyan (52%)

Magenta (32%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7AAEF0 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 7AAEF0 by changing the saturation by 10% instead.



7AAEF0

7AAEF0

FFFFFF

5D94D3

B4E5FF

3F7AB8

D1FFFF

1A619D

EEFFFF

004A82

003469

001F50

000539

000223

000009

■ 7AAEF0

■ 7AAEF0

■ 62A1F0

■ 92BBF0

■ 4A93F0

■ AAC9F0

■ 3286F0

■ C2D6F0

■ 1A78F0

■ DAE4F0

■ 026BF0

■ F2F1F0

■ 006AF0

■ FFFFF0

# Harmonies

## Analogous

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



3AB7E7



7AAEF0



B0A2E7

# Triad

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



7AAEF0



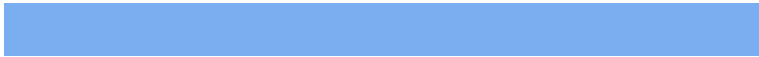
ED9389



73BA88

# Complementary

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



7AAEF0



F0BC7A

# 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.



9CB46E



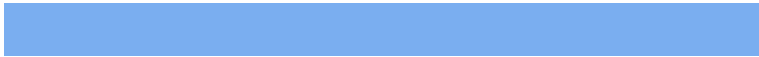
7AAEF0



DD9D6F

# Square

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



7AAEF0



EC90AB



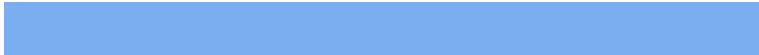
C1A965



42BDAB

# Rectangle

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



7AAEF0



CD99D7



C1A965



81B97E

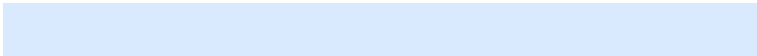


# Sweetspot

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



7AAEF0



D9EAFF



7AF0BB



697380



000000



808080

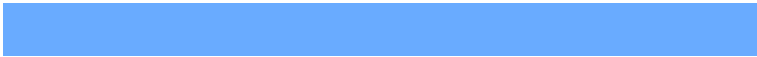


# Same Dimension

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



7AAEF0



69ABFF



807AF0



6C7178



0051B8



001938



# Inverse Universe

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



F07AAE



FF69AB



EAF07A



786C71



B80051

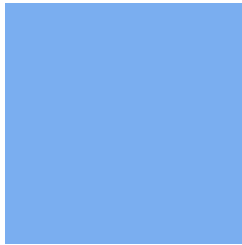


380019



# Previews

## White Background



This preview shows how the Hex color 7AAEF0 looks on a white background.

## Color Contrast Check

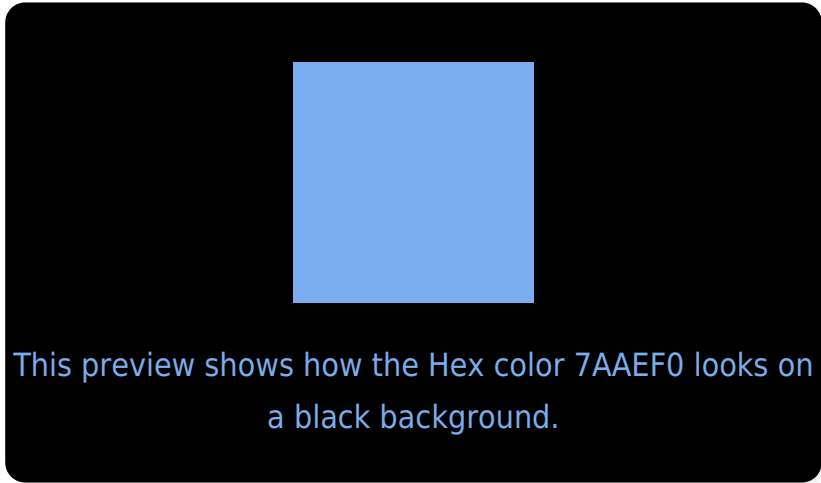
Large Text (above 18pt) WCAG AA × Fail

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

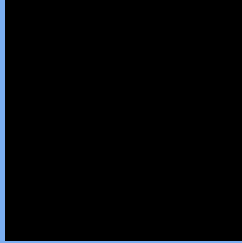
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

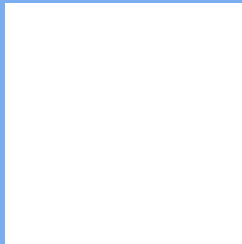
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7AAEF0 Background



This preview shows how black text looks on a background with the Hex color 7AAEF0.

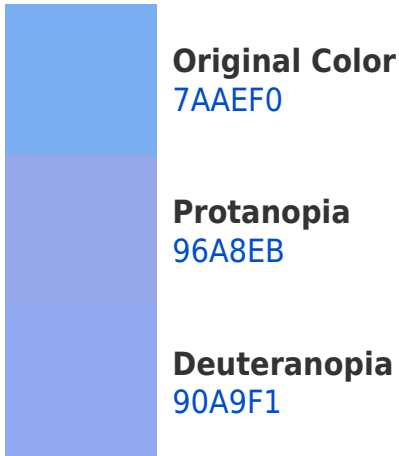


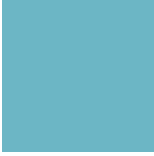
This preview shows how white text looks on a background with the Hex color 7AAEF0.

# 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](#).

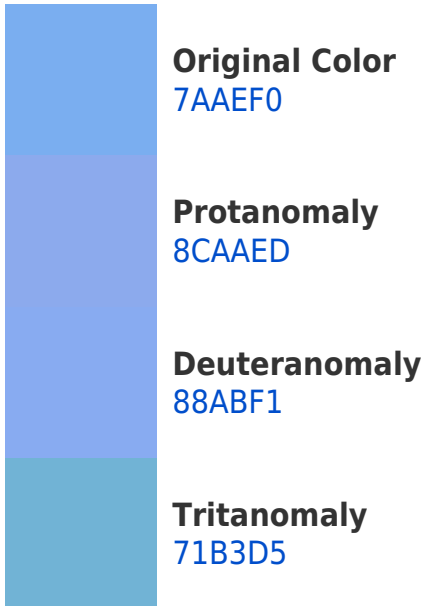
## Dichromacy



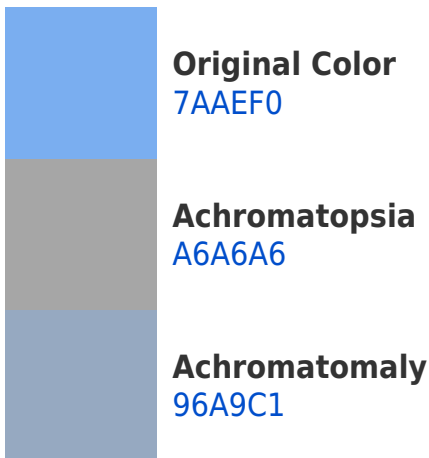


**Tritanopia**  
6CB6C5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7AAEF0 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 #7AAEF0 looks like.

```
.text, #text, p{  
    color:#7AAEF0  
}
```

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 #7AAEF0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7AAEF0
}
```

## Border

The CSS property to change the border of an element to Hex 7AAEF0 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
#7AAEF0 }
```

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

```
.border{ border-color:#7AAEF0 }
```

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

Here you see how a box with a 4 pixel #7AAEF0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7AAEF0; -webkit-box-shadow:4px 4px  
4px 4px #7AAEF0; box-shadow:4px 4px 4px  
4px #7AAEF0 }
```

# Background

The CSS property to change the background color of an element to Hex 7AAEF0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7AAEF0 }
```

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

```
.background{ background-color:#7AAEF0 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor