

# Converting Colors

Hex(7BAEE7)

Have a look what the booklet for  
Hex(7BAEE7) contains.

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# **Color**

**Hex(7BAEE7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BAEE7
RGB	123, 174, 231
RGB Percent	48%, 68%, 91%
CMY	0.5176, 0.3176, 0.0941
CMYK	0.47, 0.25, 0.00, 0.09
HSL	212°, 69%, 69%
HSV	212°, 47%, 91%
XYZ	37.7282, 40.2526, 81.3823
YIQ	165.2490, -48.6930, 6.9150

# Conversions

## Conversions Part 2

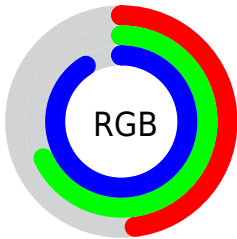
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	123, 158, 231
Decimal	8105703
CIE Lab	69.65, -1.71, -33.83
CIE LCh	70, 33.877, 267.099
Yxy	40.2526, 0.2367, 0.2526
Android (android.graphics.Color)	4286295783 (0xFF7BAEE7)
YUV	165.2490, 32.4152, -37.0524
Hunter-Lab	63.4449, -4.8816, -31.6413

# Details

The Hex color **7BAEE7** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **E7B47B**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **B4E5FF**, and **427AAF** is the 20% darker color. If you saturate the color by 10%, you get **64A2E7**, and if you desaturate by 10%, it is **92BAE7**.

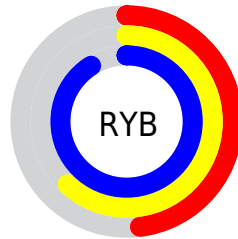
# Distribution



Red (48%)

Green (68%)

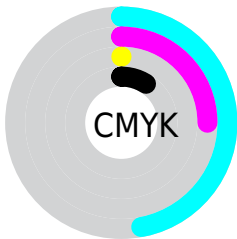
Blue (91%)



Red (48%)

Yellow (62%)

Blue (91%)

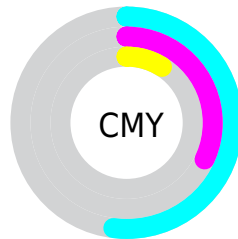


Cyan (47%)

Magenta (25%)

Yellow (0%)

Black (9%)



Cyan (52%)

Magenta (32%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7BAEE7 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 7BAEE7 by changing the saturation by 10% instead.



■ 7BAEE7

■ 7BAEE7

FFFFFF

■ 5F93CB

■ B4E5FF

■ 427AAF

■ D1FFFF

■ 206194

■ EEEFFF

■ 004A7A

■ 003361

■ 001F49

■ 000432

■ 00021C

■ 000000

■ 7BAEE7

■ 7BAEE7

■ 64A2E7

■ 92BAE7

■ 4D96E7

■ A9C6E7

■ 3689E7

■ C0D3E7

■ 1F7DE7

■ D7DFE7

■ 0871E7

■ EFEBE7

■ 006DE7

■ FFF7E7

■ FFFFE7

# Harmonies

## Analogous

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



4DB6DD



7BAEE7



AAA3E1

# Triad

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



7BAEE7



E69590



7EB788

# Complementary

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



7BAEE7



E7B47B

# 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.



A2B173



7BAEE7



DA9D78

# Square

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



7BAEE7



E393AE



C2A76D



59BBA6

# Rectangle

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



7BAEE7



C49CD4



C2A76D



8AB67F

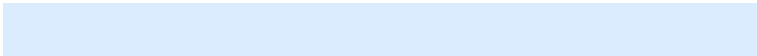


# Sweetspot

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



7BAEE7



DBECFF



7BE7B3



6A7480



000000



808080

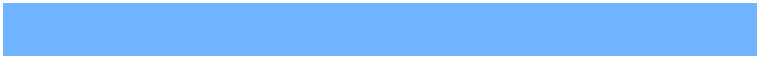


# Same Dimension

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



7BAEE7



70B4FF



7D7BE7



676D73



0054B3



001833



# Inverse Universe

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



E77BAE



FF70B4



E5E77B



73676D



B30054

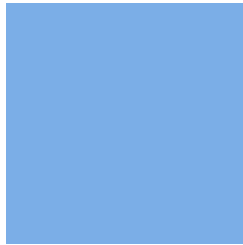


330018



# Previews

## White Background



This preview shows how the Hex color 7BAEE7 looks on a white background.

## Color Contrast Check

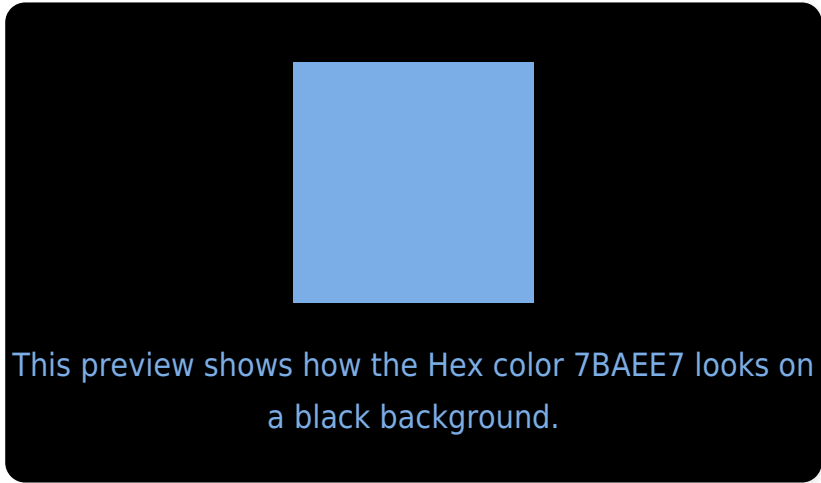
Large Text (above 18pt) WCAG AA × Fail

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

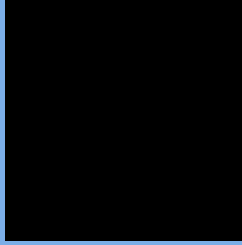
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

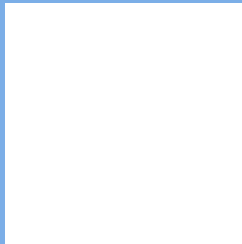
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7BAEE7 Background



This preview shows how black text looks on a background with the Hex color 7BAEE7.

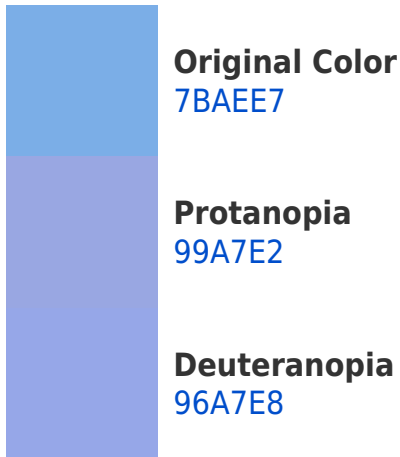


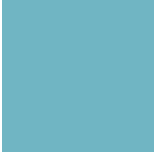
This preview shows how white text looks on a background with the Hex color 7BAEE7.

# 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](#).

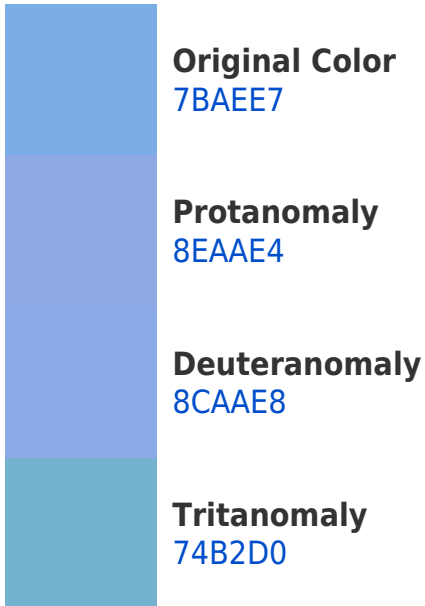
## Dichromacy



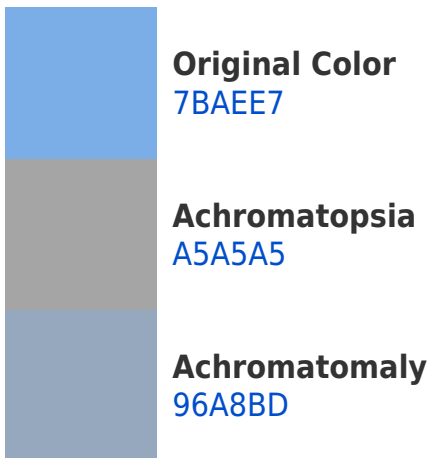


**Tritanopia**  
70B5C3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7BAEE7 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 #7BAEE7 looks like.

```
.text, #text, p{  
    color:#7BAEE7  
}
```

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 #7BAEE7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7BAEE7  
}
```

## Border

The CSS property to change the border of an element to Hex 7BAEE7 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  
#7BAEE7 }
```

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

```
.border{ border-color:#7BAEE7 }
```

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

Here you see how a box with a 4 pixel #7BAEE7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7BAEE7; -webkit-box-shadow:4px 4px  
4px 4px #7BAEE7; box-shadow:4px 4px 4px  
4px #7BAEE7 }
```

# Background

The CSS property to change the background color of an element to Hex 7BAEE7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7BAEE7 }
```

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

```
.background{ background-color:#7BAEE7 }
```

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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