

# Converting Colors

Hex(7BBDF8)

Have a look what the booklet for  
Hex(7BBDF8) contains.

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# **Color**

**Hex(7BBDF8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BBDF8
RGB	123, 189, 248
RGB Percent	48%, 74%, 97%
CMY	0.5176, 0.2588, 0.0275
CMYK	0.50, 0.24, 0.00, 0.03
HSL	208°, 90%, 73%
HSV	208°, 50%, 97%
XYZ	43.3093, 47.3835, 95.6702
YIQ	175.9920, -58.2750, 4.3570

# Conversions

## Conversions Part 2

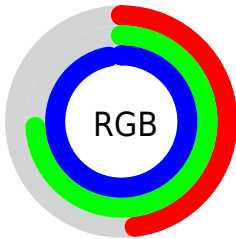
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	123, 166, 248
Decimal	8109560
CIE Lab	74.43, -5.05, -35.64
CIE LCh	74, 35.993, 261.937
Yxy	47.3835, 0.2324, 0.2543
Android (android.graphics.Color)	4286299640 (0xFF7BBDF8)
YUV	175.9920, 35.4999, -46.4740
Hunter-Lab	68.8356, -8.1557, -34.2184

# Details

The Hex color **7BBDF8** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **F8B67B**, and the grayscale version is **B0B0B0**.

A 20% lighter version of the original color is **B5F5FF**, and **3E88BF** is the 20% darker color. If you saturate the color by 10%, you get **62B1F8**, and if you desaturate by 10%, it is **94C9F8**.

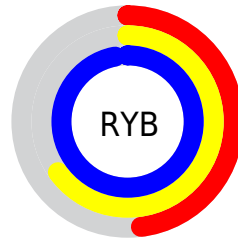
# Distribution



Red (48%)

Green (74%)

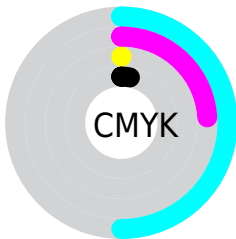
Blue (97%)



Red (48%)

Yellow (65%)

Blue (97%)

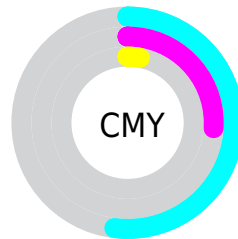


Cyan (50%)

Magenta (24%)

Yellow (0%)

Black (3%)



Cyan (52%)

Magenta (26%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7BBDF8 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 7BBDF8 by changing the saturation by 10% instead.



 7BBDF8

 7BBDF8

FFFFFF

 5EA2DB

 B5F5FF

 3E88BF

 D3FFFF

 166FA4


 F1FFFF

 00568A

 003F70

 002A57

 00163F

 000329

 000113

■ 7BBD8F8

■ 7BBD8F8

■ 62B18F8

■ 94C98F8

■ 49A68F8

■ ADD48F8

■ 319A8F8

■ C5E08F8

■ 188E8F8

■ DEEC8F8

■ 00838F8

■ F7F88F8

■ FFFF8F8

# Harmonies

## Analogous

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



4BC5EA



7BBDF8



AFB2F4

# Triad

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



7BBDF8



F89FA0



8FC48D

# Complementary

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



7BBDF8



F8B67B

# 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.



B5BD79



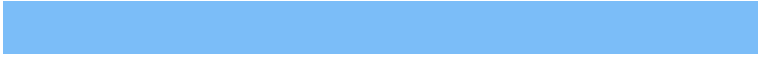
7BBDF8



EEA784

# Square

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



7BBDF8



F29FC1



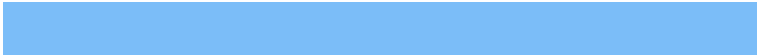
D6B276



66C9AD

# Rectangle

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



7BBDF8



CCAAE8



D6B276

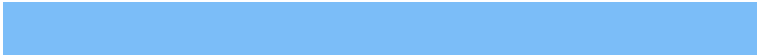


9CC285

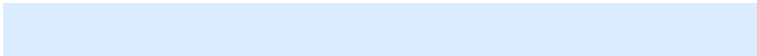


# Sweetspot

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



7BBDF8



D9EDFF



7BF8B5



697580



000000



808080



# Same Dimension

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



7BBDF8



66B7FF



7B7FF8



70777D



0064BD



00203D



# Inverse Universe

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



F87BBD



FF66B7



F8F47B



7D7077



BD0064

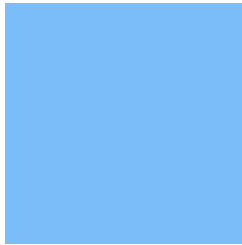


3D0020



# Previews

## White Background



This preview shows how the Hex color 7BBDF8 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 7BBDF8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

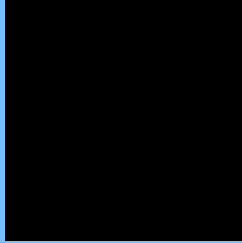
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

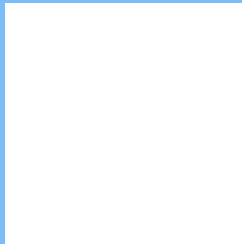
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7BBD8 Background



This preview shows how black text looks on a background with the Hex color 7BBD8.

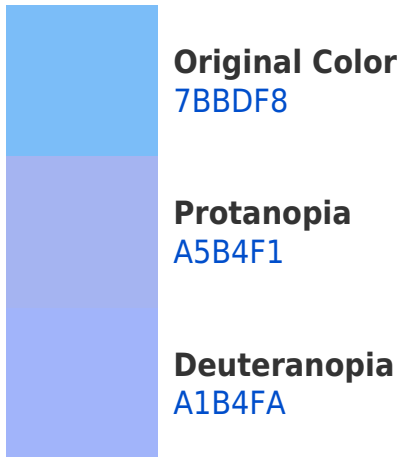


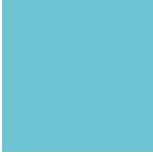
This preview shows how white text looks on a background with the Hex color 7BBD8.

# 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](#).

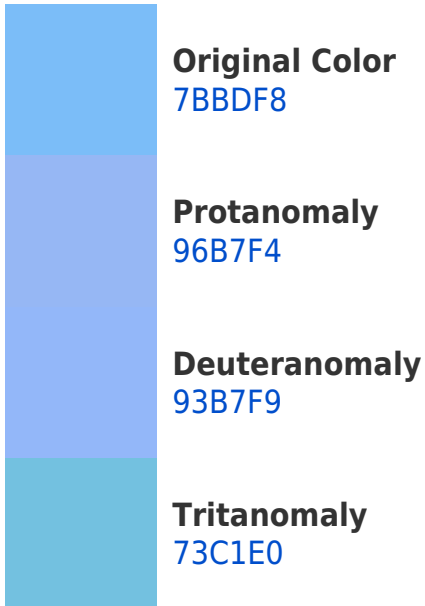
## Dichromacy



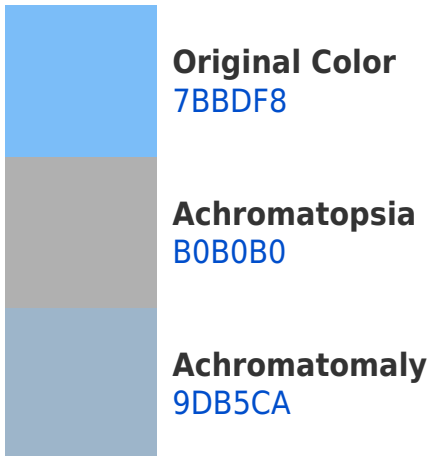


**Tritanopia**  
6FC4D3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7BBDF8 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 #7BBDF8 looks like.

```
.text, #text, p{  
    color:#7BBDF8  
}
```

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 #7BBDF8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7BBDF8  
}
```

## Border

The CSS property to change the border of an element to Hex 7BBDF8 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  
#7BBDF8 }
```

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

```
.border{ border-color:#7BBDf8 }
```

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

Here you see how a box with a 4 pixel #7BBDf8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7BBDf8; -webkit-box-shadow:4px 4px  
4px 4px #7BBDf8; box-shadow:4px 4px 4px  
4px #7BBDf8 }
```

# Background

The CSS property to change the background color of an element to Hex 7BBDF8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7BBDF8 }
```

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

```
.background{ background-color:#7BBDF8 }
```

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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