

# Converting Colors

Hex(7BD4F0)

Have a look what the booklet for  
Hex(7BD4F0) contains.

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# **Color**

**Hex(7BD4F0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BD4F0
RGB	123, 212, 240
RGB Percent	48%, 83%, 94%
CMY	0.5176, 0.1686, 0.0588
CMYK	0.49, 0.12, 0.00, 0.06
HSL	194°, 80%, 71%
HSV	194°, 49%, 94%
XYZ	47.4400, 57.5892, 91.0535
YIQ	188.5810, -62.0320, -10.1600

# Conversions

## Conversions Part 2

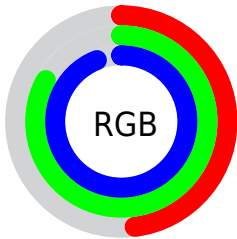
Format	Color
<a href="#">RYB</a>	<a href="#">123, 174, 240</a>
Decimal	<a href="#">8115440</a>
CIELab	<a href="#">80.51, -19.37, -22.03</a>
CIElCh	<a href="#">81, 29.337, 228.672</a>
Yxy	<a href="#">57.5892, 0.2419, 0.2937</a>
Android (android.graphics.Color)	<a href="#">4286305520 (0xFF7BD4F0)</a>
YUV	<a href="#">188.5810, 25.3496, -57.5145</a>
Hunter-Lab	<a href="#">75.8875, -21.2164, -18.0177</a>

# Details

The Hex color **7BD4F0** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **F0977B**, and the grayscale version is **BCBCBC**.

A 20% lighter version of the original color is **B5FFFF**, and **3E9DB8** is the 20% darker color. If you saturate the color by 10%, you get **63CEF0**, and if you desaturate by 10%, it is **93DAF0**.

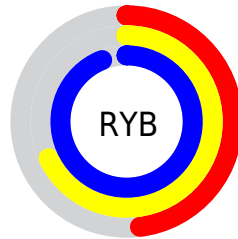
# Distribution



Red (48%)

Green (83%)

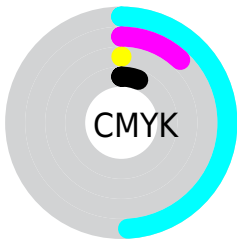
Blue (94%)



Red (48%)

Yellow (68%)

Blue (94%)

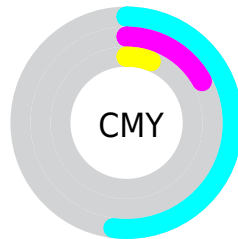


Cyan (49%)

Magenta (12%)

Yellow (0%)

Black (6%)



Cyan (52%)

Magenta (17%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7BD4F0 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 7BD4F0 by changing the saturation by 10% instead.



 7BD4F0

 7BD4F0

FFFFFF

 5DB8D4

 B5FFFF

 3E9DB8

 D3FFFF

 15839D

 F1FFFF

 006A83

 00516A

 003A51

 00243A

 000625

 00010D

 7BD4F0

 7BD4F0

 63CEF0

 93DAF0

 4BC9F0

 ABDFF0

 33C3F0

 C3E5F0

 1BBDF0

 DBEBF0

 03B7F0

 F3F1F0

 00B7F0

 FFF6F0

 FFFCF0

 FFFFF0

# Harmonies

## Analogous

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



78D7D8



7BD4F0



97CDFD

# Triad

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



7BD4F0



F8B5D3



CACB94

# Complementary

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



7BD4F0



F0977B

# 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.



E5C292



7BD4F0



FFB4B7

# Square

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



7BD4F0



E1BBEC



F9BAA0



ABD2A3

# Rectangle

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



7BD4F0



B1C8FE



F9BAA0



D4C991

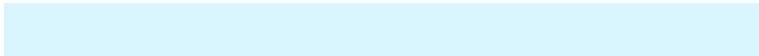


# Sweetspot

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



7BD4F0



D9F6FF



7BF096



697A80



000000



808080



# Same Dimension

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



7BD4F0



69DBFF



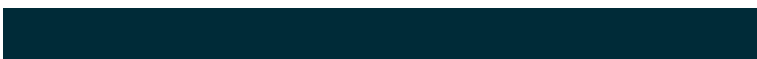
7B9AF0



6C7578



008CB8



002B38



# Inverse Universe

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



F07BD4



FF69DB



F0D17B



786C75



B8008C

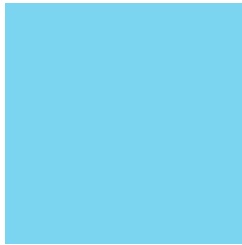


38002B



# Previews

## White Background



This preview shows how the Hex color 7BD4F0 looks on a white background.

## Color Contrast Check

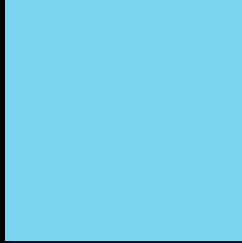
Large Text (above 18pt) WCAG AA × Fail

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 7BD4F0 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 7BD4F0 Background



This preview shows how black text looks on a background with the Hex color 7BD4F0.

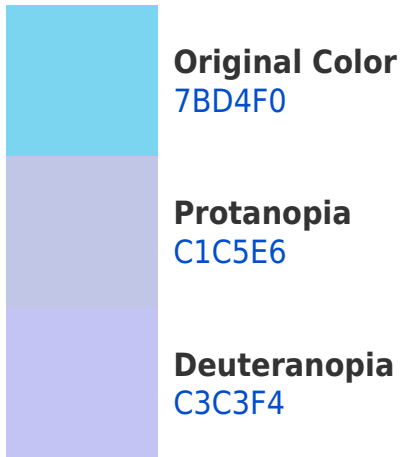


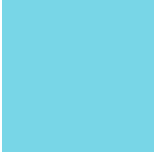
This preview shows how white text looks on a background with the Hex color 7BD4F0.

# 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](#).

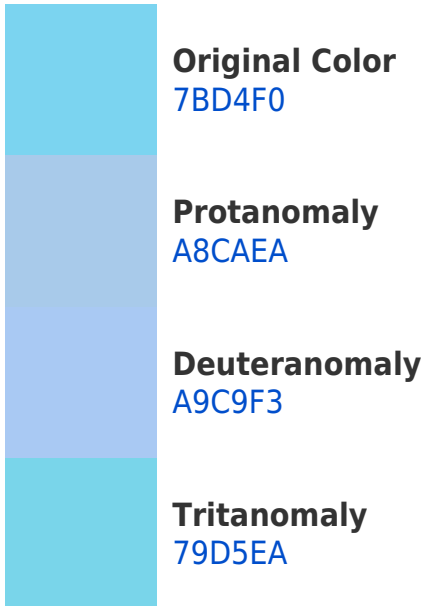
## Dichromacy



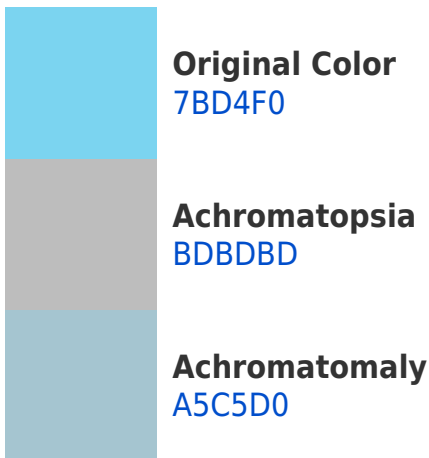


**Tritanopia**  
78D6E7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7BD4F0 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 #7BD4F0 looks like.

```
.text, #text, p{  
    color:#7BD4F0  
}
```

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 #7BD4F0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7BD4F0
}
```

## Border

The CSS property to change the border of an element to Hex 7BD4F0 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
#7BD4F0 }
```

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

```
.border{ border-color:#7BD4F0 }
```

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

Here you see how a box with a 4 pixel #7BD4F0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7BD4F0; -webkit-box-shadow:4px 4px  
4px 4px #7BD4F0; box-shadow:4px 4px 4px  
4px #7BD4F0 }
```

# Background

The CSS property to change the background color of an element to Hex 7BD4F0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7BD4F0 }
```

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

```
.background{ background-color:#7BD4F0 }
```

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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