

# Converting Colors

Hex(76B7E6)

Have a look what the booklet for  
Hex(76B7E6) contains.

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# **Color**

**Hex(76B7E6)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	76B7E6
RGB	118, 183, 230
RGB Percent	46%, 72%, 90%
CMY	0.5373, 0.2824, 0.0980
CMYK	0.49, 0.20, 0.00, 0.10
HSL	205°, 69%, 68%
HSV	205°, 49%, 90%
XYZ	38.6876, 43.4317, 81.2070
YIQ	168.9230, -53.8270, 0.8370

# Conversions

## Conversions Part 2

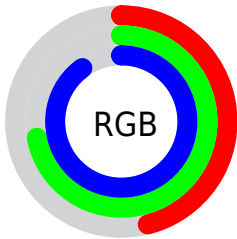
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	118, 159, 230
Decimal	7780326
CIE <sub>Lab</sub>	71.85, -8.10, -29.91
CIE <sub>LCh</sub>	72, 30.991, 254.849
Yxy	43.4317, 0.2369, 0.2659
Android (android.graphics.Color)	4285970406 (0xFF76B7E6)
YUV	168.9230, 30.1110, -44.6595
Hunter-Lab	65.9027, -10.5429, -26.9267

# Details

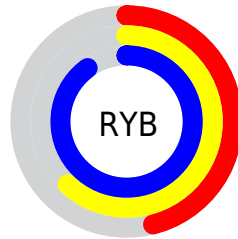
The Hex color **76B7E6** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **E6A576**, and the grayscale version is **A9A9A9**.

A 20% lighter version of the original color is **AFEFFF**, and **3B82AE** is the 20% darker color. If you saturate the color by 10%, you get **5FADE6**, and if you desaturate by 10%, it is **8DC1E6**.

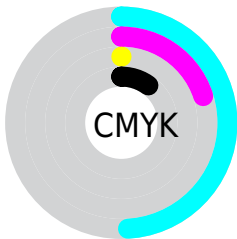
# Distribution



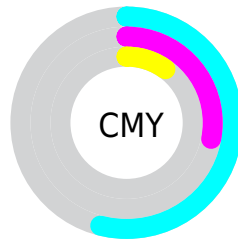
- Red (46%)
- Green (72%)
- Blue (90%)



- Red (46%)
- Yellow (62%)
- Blue (90%)



- Cyan (49%)
- Magenta (20%)
- Yellow (0%)
- Black (10%)



- Cyan (54%)
- Magenta (28%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 76B7E6 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 76B7E6 by changing the saturation by 10% instead.



 76B7E6

 76B7E6

FFFFFF

 599CCA

 AFEFFF

 3B82AE

 CCFFFF

 156994

 EAFFFF

 00517A

 003A61

 002549

 001032

 00021C

 000000

76B7E6

76B7E6

5FADE6

8DC1E6

48A4E6

A4CAE6

319AE6

BBD4E6

1A90E6

D2DEE6

0387E6

E9E7E6

0085E6

FFF1E6

FFFBE6

FFFFE6

# Harmonies

## Analogous

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



58BDD7



76B7E6



A0AEE6

# Triad

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



76B7E6



E99BA3



96BA87

# Complementary

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



76B7E6



E6A576

# 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.



B6B379



76B7E6



E3A089

# Square

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



76B7E6



DF9DC0



D1A97A



75BFA0

# Rectangle

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



76B7E6



BAA7DE



D1A97A



A1B881

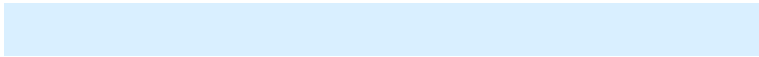


# Sweetspot

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



76B7E6



D9EFFF



76E6A5



697680



000000



808080

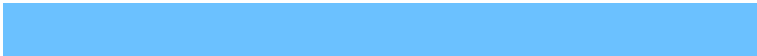


# Same Dimension

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



76B7E6



6BC1FF



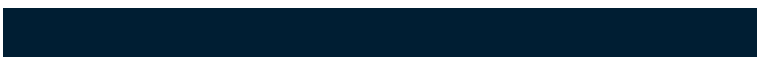
767FE6



676E73



0068B3



001E33



# Inverse Universe

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



E676B7



FF6BC1



E6DD76



73676E



B30068

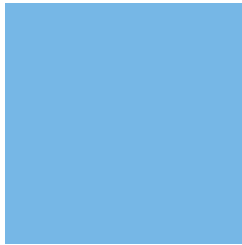


33001E



# Previews

## White Background



This preview shows how the Hex color 76B7E6 looks on a white background.

## Color Contrast Check

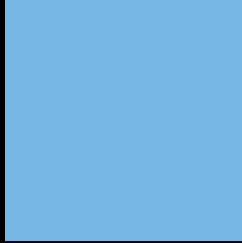
Large Text (above 18pt) WCAG AA × Fail

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 76B7E6 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

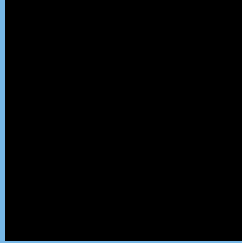
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

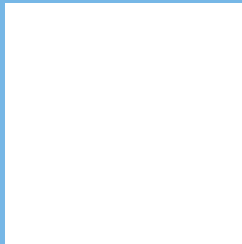
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 76B7E6 Background



This preview shows how black text looks on a background with the Hex color 76B7E6.

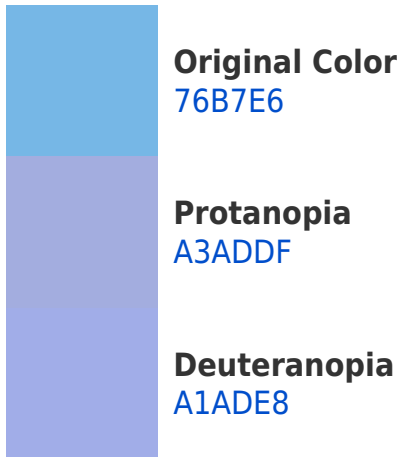


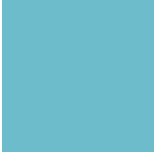
This preview shows how white text looks on a background with the Hex color 76B7E6.

# 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](#).

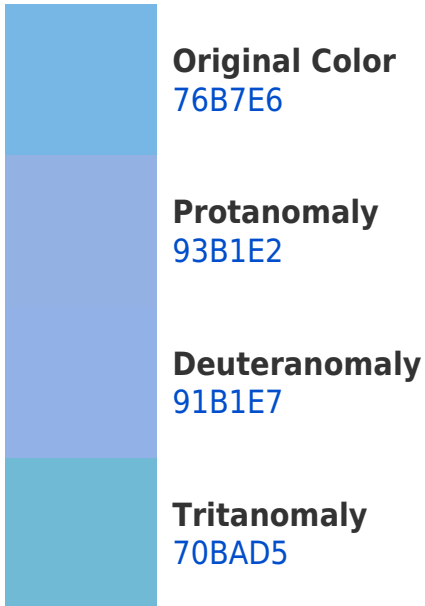
## Dichromacy



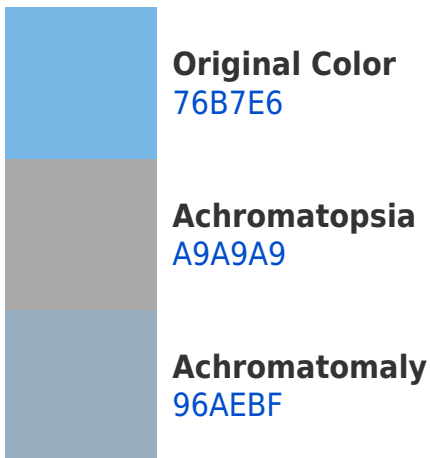


**Tritanopia**  
6DBCCB

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 76B7E6 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 #76B7E6 looks like.

```
.text, #text, p{  
    color:#76B7E6  
}
```

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 #76B7E6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #76B7E6
}
```

## Border

The CSS property to change the border of an element to Hex 76B7E6 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
#76B7E6 }
```

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

```
.border{ border-color:#76B7E6 }
```

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

Here you see how a box with a 4 pixel #76B7E6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #76B7E6; -webkit-box-shadow:4px 4px  
4px 4px #76B7E6; box-shadow:4px 4px 4px  
4px #76B7E6 }
```

# Background

The CSS property to change the background color of an element to Hex 76B7E6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#76B7E6 }
```

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

```
.background{ background-color:#76B7E6 }
```

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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