

# Converting Colors

Hex(66B0ED)

Have a look what the booklet for  
Hex(66B0ED) contains.

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# **Color**

**Hex(66B0ED)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	66B0ED
RGB	102, 176, 237
RGB Percent	40%, 69%, 93%
CMY	0.6000, 0.3098, 0.0706
CMYK	0.57, 0.26, 0.00, 0.07
HSL	207°, 79%, 66%
HSV	207°, 57%, 93%
XYZ	36.2909, 39.9899, 85.9268
YIQ	160.8280, -63.6850, 3.2830

# Conversions

## Conversions Part 2

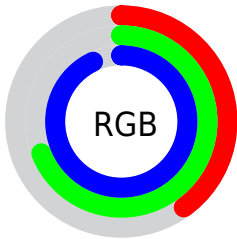
Format	Color
R <sub>YB</sub>	102, 150, 237
Decimal	6729965
CIE <sub>Lab</sub>	69.46, -5.64, -37.47
CIE <sub>LCh</sub>	69, 37.894, 261.445
Y <sub>xy</sub>	39.9899, 0.2237, 0.2465
Android (android.graphics.Color)	4284920045 (0xFF66B0ED)
YUV	160.8280, 37.5528, -51.5922
Hunter-Lab	63.2375, -8.2278, -36.2967

# Details

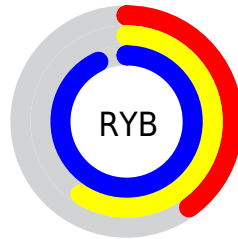
The Hex color **66B0ED** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **EDA366**, and the grayscale version is **A1A1A1**.

A 20% lighter version of the original color is **A1E7FF**, and **207CB5** is the 20% darker color. If you saturate the color by 10%, you get **4EA5ED**, and if you desaturate by 10%, it is **7EBBED**.

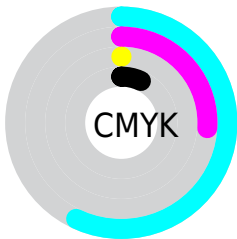
# Distribution



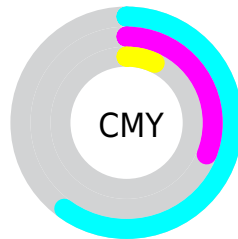
- Red (40%)
- Green (69%)
- Blue (93%)



- Red (40%)
- Yellow (59%)
- Blue (93%)



- Cyan (57%)
- Magenta (26%)
- Yellow (0%)
- Black (7%)



- Cyan (60%)
- Magenta (31%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66B0ED 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 66B0ED by changing the saturation by 10% instead.



 66B0ED

 66B0ED

FFFFFF

 4695D1

 A1E7FF

 207CB5

 BFFFFFF

 00639A

 DDFFFF

 004B80

 FBFFFF

 003566

 00204E

 000537

 000221

 000005

■ 66B0ED

■ 66B0ED

■ 4EA5ED

■ 7EBBED

■ 379BED

■ 95C5ED

■ 1F90ED

■ ADD0ED

■ 0785ED

■ C5DBED

■ 0082ED

■ DCE6ED

■ F4F0ED

■ FFFBED

■ FFFFED

# Harmonies

## Analogous

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



25B8DE



66B0ED



9FA4E9

# Triad

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



66B0ED



ED9092



80B77E

# Complementary

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



66B0ED



EDA366

# 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.



A7AF68



66B0ED



E29875

# Square

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



66B0ED



E690B5



C9A465



52BB9E

# Rectangle

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



66B0ED



BE9CDD



C9A465



8DB575

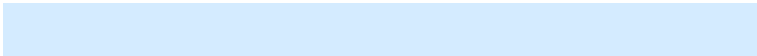


# Sweetspot

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



66B0ED



D4EBFF



66EDA3



667480



000000



808080



# Same Dimension

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



66B0ED



52B1FF



666DED



6A7075



0063B5



001D36



# Inverse Universe

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



ED66B0



FF52B1



EDE666



756A70



B50063



36001D



# Previews

## White Background



This preview shows how the Hex color 66B0ED looks on a white background.

## Color Contrast Check

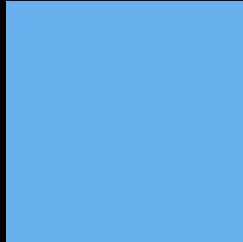
Large Text (above 18pt) WCAG AA × Fail

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 66B0ED looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

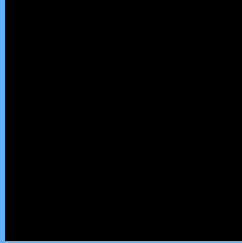
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

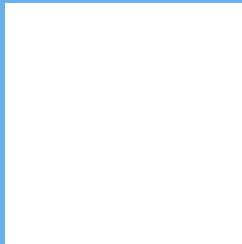
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 66B0ED Background



This preview shows how black text looks on a background with the Hex color 66B0ED.

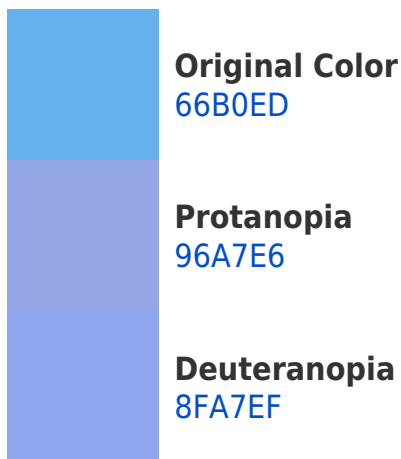


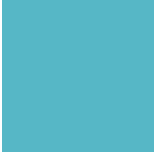
This preview shows how white text looks on a background with the Hex color 66B0ED.

# 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](#).

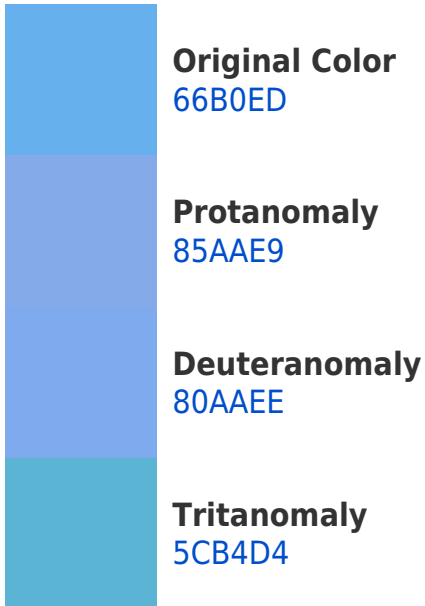
## Dichromacy



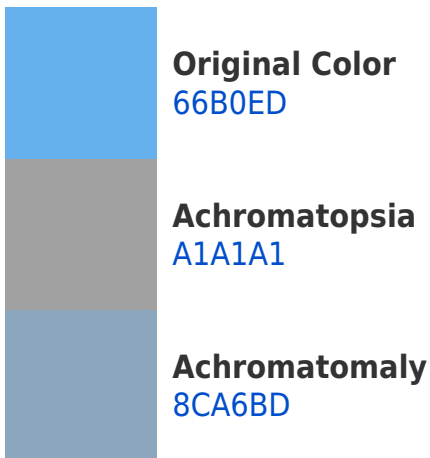


**Tritanopia**  
56B7C6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66B0ED 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 #66B0ED looks like.

```
.text, #text, p{  
    color:#66B0ED  
}
```

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 #66B0ED colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66B0ED
}
```

## Border

The CSS property to change the border of an element to Hex 66B0ED 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
#66B0ED }
```

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

```
.border{ border-color:#66B0ED }
```

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

Here you see how a box with a 4 pixel #66B0ED colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66B0ED; -webkit-box-shadow:4px 4px  
4px 4px #66B0ED; box-shadow:4px 4px 4px  
4px #66B0ED }
```

# Background

The CSS property to change the background color of an element to Hex 66B0ED is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66B0ED }
```

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

```
.background{ background-color:#66B0ED }
```

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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