

# Converting Colors

Hex(66BFEE)

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

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# **Color**

**Hex(66BFEE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66BFEE
RGB	102, 191, 238
RGB Percent	40%, 75%, 93%
CMY	0.6000, 0.2510, 0.0667
CMYK	0.57, 0.20, 0.00, 0.07
HSL	201°, 80%, 67%
HSV	201°, 57%, 93%
XYZ	39.5429, 46.2594, 87.7338
YIQ	169.7470, -68.1310, -4.2510

# Conversions

## Conversions Part 2

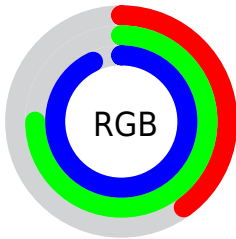
Format	Color
R <sub>Y</sub> B	102, 156, 238
Decimal	6733806
CIE Lab	73.71, -13.43, -31.43
CIE LCh	74, 34.181, 246.856
Yxy	46.2594, 0.2279, 0.2666
Android (android.graphics.Color)	4284923886 (0xFF66BFEE)
YUV	169.7470, 33.6487, -59.4141
Hunter-Lab	68.0143, -15.2467, -28.8700

# Details

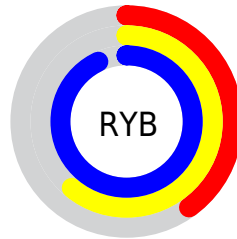
The Hex color **66BFEE** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **EE9566**, and the grayscale version is **A9A9A9**.

A 20% lighter version of the original color is **A2F7FF**, and **1D8AB6** is the 20% darker color. If you saturate the color by 10%, you get **4EB7EE**, and if you desaturate by 10%, it is **7EC7EE**.

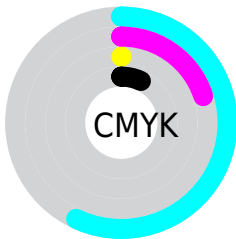
# Distribution



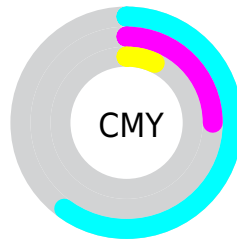
- Red (40%)
- Green (75%)
- Blue (93%)



- Red (40%)
- Yellow (61%)
- Blue (93%)



- Cyan (57%)
- Magenta (20%)
- Yellow (0%)
- Black (7%)



- Cyan (60%)
- Magenta (25%)
- Yellow (7%)

# Brightness & Saturation Gradients

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



 66BFEE

 66BFEE

FFFFFF

 46A4D2

 A2F7FF

 1D8AB6

 C0FFFF

 00709B

 DEFFFF

 005881

 FCFFFF

 004067

 002A4F

 001738

 000222

 000008

■ 66BFEE

■ 66BFEE

■ 4EB7EE

■ 7EC7EE

■ 36AFEE

■ 96CFEE

■ 1FA6EE

■ ADD8EE

■ 079EEE

■ C5E0EE

■ 009CEE

■ DDE8EE

■ F5F0EE

■ FFF9EE

■ FFFFEE

# Harmonies

## Analogous

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



49C5DA



66BFEE



96B6F3

# Triad

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



66BFEE



F29DAF



A1BE82

# Complementary

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



66BFEE



EE9566

# 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.



C4B676



66BFEE



F0A191

# Square

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



66BFEE



E3A1CE



DFAB7C



7CC49B

# Rectangle

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



66BFEE



B5AEED



DFAB7C



ADBC7C

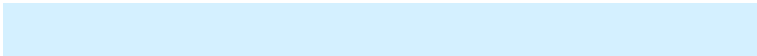


# Sweetspot

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



66BFEE



D4F0FF



66EE93



667780



000000



808080



# Same Dimension

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



66BFEE



4FC2FF



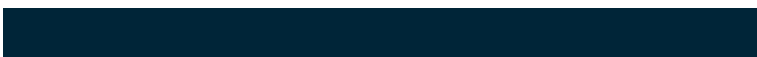
667DEE



6C7478



0078B8



002538



# Inverse Universe

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



EE66BF



FF4FC2



EED766



786C74



B80078

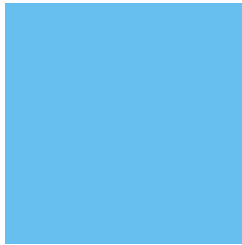


380025



# Previews

## White Background



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

## Color Contrast Check

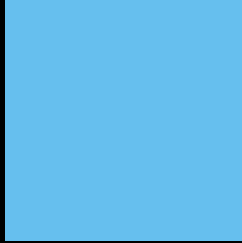
Large Text (above 18pt) WCAG AA × Fail

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 66BFEE 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

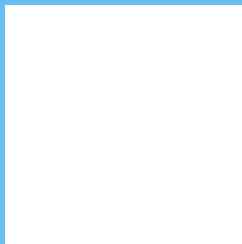
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 66BFEE Background



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

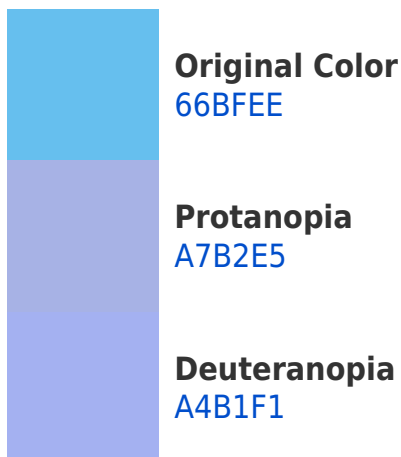


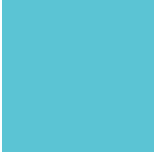
This preview shows how white text looks on a background with the Hex color 66BFEE.

# 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](#).

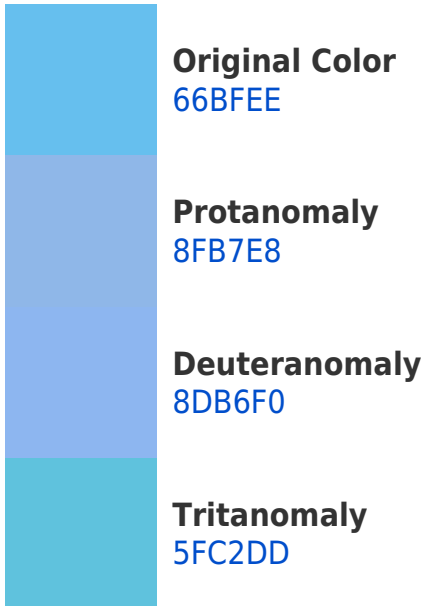
## Dichromacy



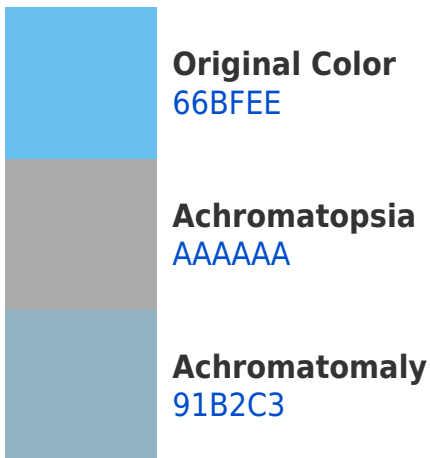


**Tritanopia**  
5BC4D4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #66BFEE colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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