

Converting Colors

Hex(66B3E5)

Have a look what the booklet for
Hex(66B3E5) contains.

Hex(66B3E5)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(66B3E5)

Conversions

Conversions Part 1

Format	Color
Hex	66B3E5
RGB	102, 179, 229
RGB Percent	40%, 70%, 90%
CMY	0.6000, 0.2980, 0.1020
CMYK	0.55, 0.22, 0.00, 0.10
HSL	204°, 71%, 65%
HSV	204°, 55%, 90%
XYZ	35.7424, 40.7221, 80.1051
YIQ	161.6770, -61.9420, -0.7740

Conversions

Conversions Part 2

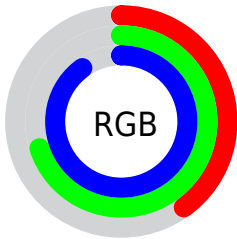
Format	Color
R_{YB}	102, 150, 229
Decimal	6730725
CIE _{Lab}	69.98, -9.71, -32.31
CIE _{LCh}	70, 33.734, 253.275
Yxy	40.7221, 0.2283, 0.2601
Android (android.graphics.Color)	4284920805 (0xFF66B3E5)
YUV	161.6770, 33.1902, -52.3367
Hunter-Lab	63.8139, -11.6956, -29.7565

Details

The Hex color **66B3E5** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **E59866**, and the grayscale version is **A1A1A1**.

A 20% lighter version of the original color is **A1EBFF**, and **227EAD** is the 20% darker color. If you saturate the color by 10%, you get **4FAAE5**, and if you desaturate by 10%, it is **7DBCE5**.

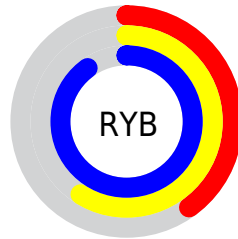
Distribution



Red (40%)

Green (70%)

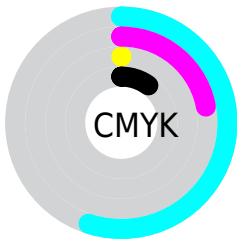
Blue (90%)



Red (40%)

Yellow (59%)

Blue (90%)

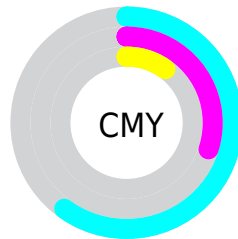


Cyan (55%)

Magenta (22%)

Yellow (0%)

Black (10%)



Cyan (60%)

Magenta (30%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Hex color 66B3E5 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 66B3E5 by changing the saturation by 10% instead.

 66B3E5

 66B3E5

FFFFFF

 4798C9

 A1EBFF

 227EAD

 BEFFFF

 006593

 DCFFFF

 004E79

 FAFFFF

 003760

 002248

 000431

 00011B

 000000

■ 66B3E5

■ 66B3E5

■ 4FAAE5

■ 7DBCE5

■ 38A1E5

■ 94C5E5

■ 2198E5

■ ABCEE5

■ 0A8FE5

■ C2D7E5

■ 008BE5

■ D9E0E5

■ EFE9E5

■ FFF2E5

■ FFFBE5

■ FFFF E5

Harmonies

Analogous

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



41B9D4



66B3E5



96A9E6

Triad

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



66B3E5



E8949E



90B67E

Complementary

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



66B3E5



E59866

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.



B2AD6F



66B3E5



E29982

Square

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



66B3E5



DC96BD



CFA371



6BBA98

Rectangle

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



66B3E5



B3A2DE



CFA371



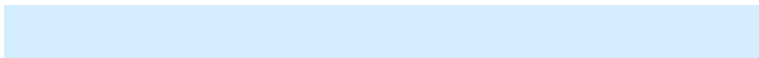
9CB377

Sweetspot

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



66B3E5



D4EEFF



66E597



667580



000000



808080

Same Dimension

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



66B3E5



54BCFF



6675E5



676E73



006CB3



001F33

Inverse Universe

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



E566B3



FF54BC



E5D666



73676E



B3006C



33001F

Previews

White Background



This preview shows how the Hex color 66B3E5 looks on a white background.

Color Contrast Check

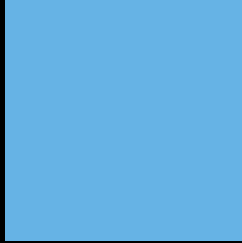
Large Text (above 18pt) WCAG AA × Fail

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 66B3E5 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 66B3E5 Background



This preview shows how black text looks on a background with the Hex color 66B3E5.

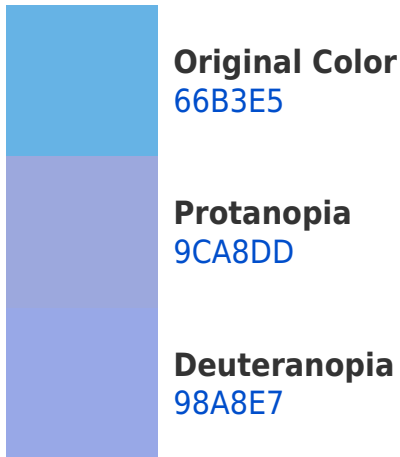


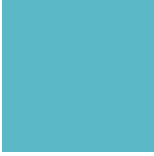
This preview shows how white text looks on a background with the Hex color 66B3E5.

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](#).

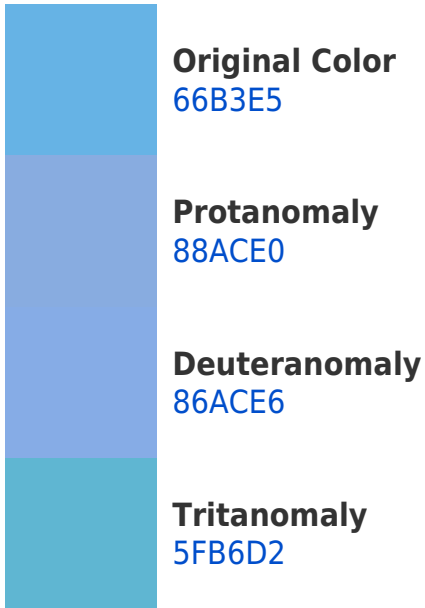
Dichromacy



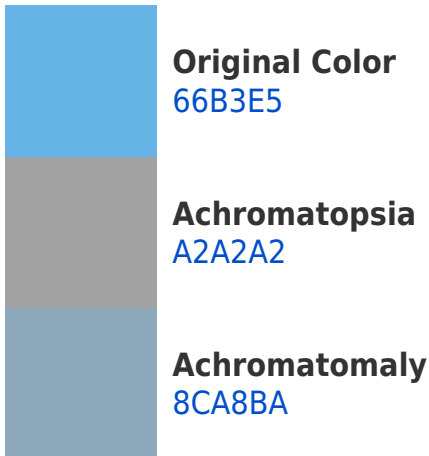


Tritanopia
5BB8C7

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 66B3E5 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 #66B3E5 looks like.

```
.text, #text, p{  
    color:#66B3E5  
}
```

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 #66B3E5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66B3E5
}
```

Border

The CSS property to change the border of an element to Hex 66B3E5 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
#66B3E5 }
```

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

```
.border{ border-color:#66B3E5 }
```

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

Here you see how a box with a 4 pixel #66B3E5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66B3E5; -webkit-box-shadow:4px 4px  
4px 4px #66B3E5; box-shadow:4px 4px 4px  
4px #66B3E5 }
```

Background

The CSS property to change the background color of an element to Hex 66B3E5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66B3E5 }
```

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

```
.background{ background-color:#66B3E5 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor