

# Converting Colors

Hex(68B7E1)

Have a look what the booklet for  
Hex(68B7E1) contains.

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# **Color**

**Hex(68B7E1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	68B7E1
RGB	104, 183, 225
RGB Percent	41%, 72%, 88%
CMY	0.5922, 0.2824, 0.1176
CMYK	0.54, 0.19, 0.00, 0.12
HSL	201°, 67%, 65%
HSV	201°, 54%, 88%
XYZ	36.2330, 42.2463, 77.4788
YIQ	164.1670, -60.5660, -3.6860

# Conversions

## Conversions Part 2

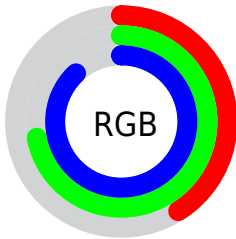
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	104, 152, 225
Decimal	6862817
CIELab	71.04, -12.63, -28.48
CIELCh	71, 31.160, 246.085
Yxy	42.2463, 0.2323, 0.2709
Android (android.graphics.Color)	4285052897 (0xFF68B7E1)
YUV	164.1670, 29.9907, -52.7665
Hunter-Lab	64.9971, -14.2392, -25.1777

# Details

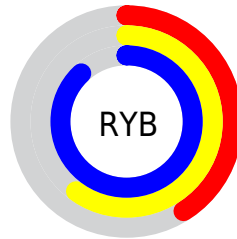
The Hex color **68B7E1** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **E19268**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **A2EFFF**, and **2782AA** is the 20% darker color. If you saturate the color by 10%, you get **52AFE1**, and if you desaturate by 10%, it is **7EBFE1**.

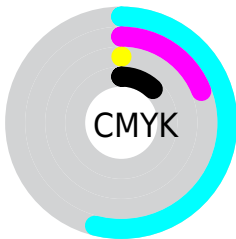
# Distribution



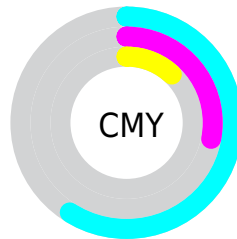
- Red (41%)
- Green (72%)
- Blue (88%)



- Red (41%)
- Yellow (60%)
- Blue (88%)



- Cyan (54%)
- Magenta (19%)
- Yellow (0%)
- Black (12%)



- Cyan (59%)
- Magenta (28%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68B7E1 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 68B7E1 by changing the saturation by 10% instead.



68B7E1

68B7E1

FFFFFF

4A9CC5

A2EFFF

2782AA

C0FFFF

00698F

DDFFFF

005175

FBFFFF

003A5C

002445

000B2E

000119

000000

■ 68B7E1

■ 68B7E1

■ 52AFE1

■ 7EBFE1

■ 3BA7E1

■ 95C7E1

■ 25A0E1

■ ACCEE1

■ 0E98E1

■ C2D6E1

■ 0093E1

■ D9DEE1

■ EFE6E1

■ FFEEE1

■ FFF5E1

■ FFFDE1

# Harmonies

## Analogous

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



51BCCE



68B7E1



91AFE6

# Triad

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



68B7E1



E599A9



9DB67F

# Complementary

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



68B7E1



E19268

# 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.



BCAE75



68B7E1



E49C8E

# Square

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



68B7E1



D79CC5



D5A47B



7CBC96

# Rectangle

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



68B7E1



ADA8E1



D5A47B



A8B47A

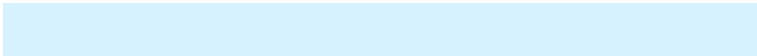


# Sweetspot

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



68B7E1



D6F1FF



68E190



677780



000000



808080



# Same Dimension

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



68B7E1



59C5FF



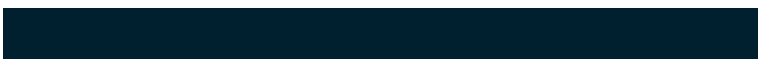
687CE1



656C70



0073B0



002030



# Inverse Universe

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



E168B7



FF59C5



E1CD68



70656C



B00073

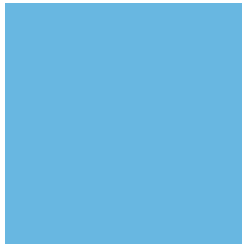


300020



# Previews

## White Background



This preview shows how the Hex color 68B7E1 looks on a white background.

## Color Contrast Check

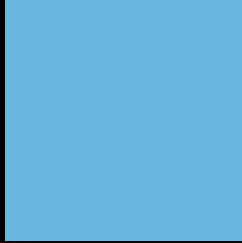
Large Text (above 18pt) WCAG AA × Fail

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 68B7E1 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 68B7E1 Background



This preview shows how black text looks on a background with the Hex color 68B7E1.

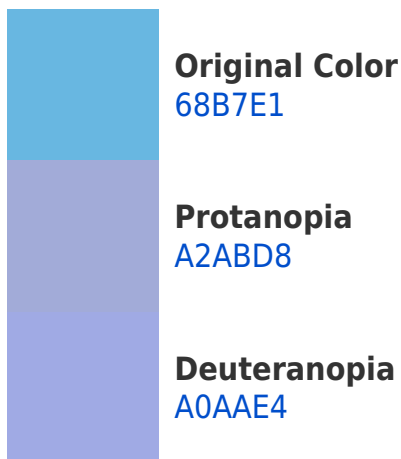


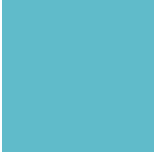
This preview shows how white text looks on a background with the Hex color 68B7E1.

# 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](#).

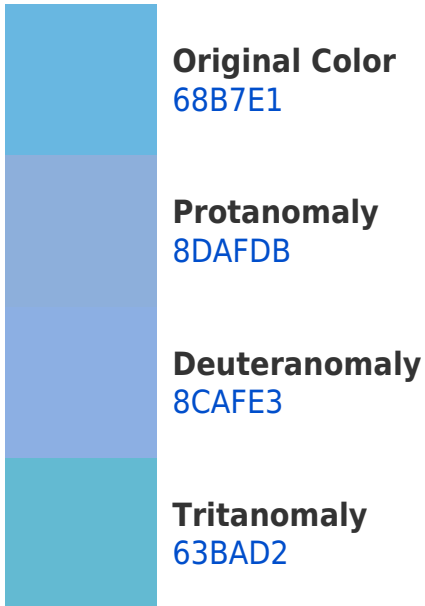
## Dichromacy



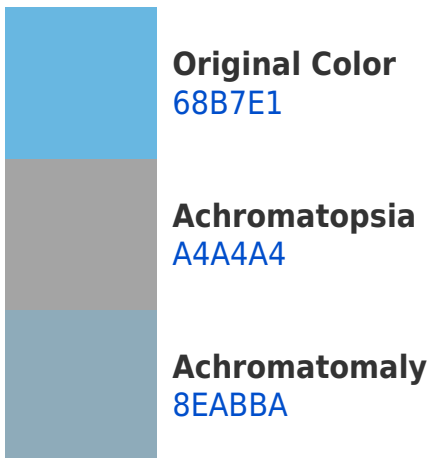


**Tritanopia**  
60BBCA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68B7E1 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 #68B7E1 looks like.

```
.text, #text, p{  
    color:#68B7E1  
}
```

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 #68B7E1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68B7E1
}
```

## Border

The CSS property to change the border of an element to Hex 68B7E1 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
#68B7E1 }
```

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

```
.border{ border-color:#68B7E1 }
```

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

Here you see how a box with a 4 pixel #68B7E1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68B7E1; -webkit-box-shadow:4px 4px  
4px 4px #68B7E1; box-shadow:4px 4px 4px  
4px #68B7E1 }
```

# Background

The CSS property to change the background color of an element to Hex 68B7E1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68B7E1 }
```

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

```
.background{ background-color:#68B7E1 }
```

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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