

# Converting Colors

Hex(64B1E8)

Have a look what the booklet for  
Hex(64B1E8) contains.

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# **Color**

**Hex(64B1E8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	64B1E8
RGB	100, 177, 232
RGB Percent	39%, 69%, 91%
CMY	0.6078, 0.3059, 0.0902
CMYK	0.57, 0.24, 0.00, 0.09
HSL	205°, 74%, 65%
HSV	205°, 57%, 91%
XYZ	35.5432, 39.9798, 82.1875
YIQ	160.2470, -63.5470, 0.7810

# Conversions

## Conversions Part 2

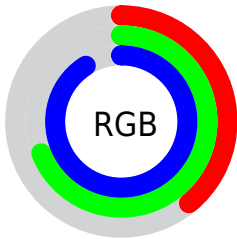
Format	Color
<a href="#">RYB</a>	100, 149, 232
Decimal	6599144
CIELab	69.46, -8.11, -34.76
CIELCh	69, 35.699, 256.862
Yxy	39.9798, 0.2254, 0.2535
Android (android.graphics.Color)	4284789224 (0xFF64B1E8)
YUV	160.2470, 35.3742, -52.8366
Hunter-Lab	63.2296, -10.3118, -32.8060

# Details

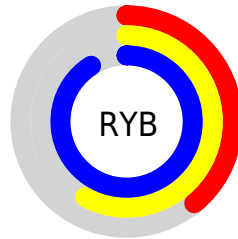
The Hex color **64B1E8** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **E89B64**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **9FE9FF**, and **1D7DB0** is the 20% darker color. If you saturate the color by 10%, you get **4DA7E8**, and if you desaturate by 10%, it is **7BBBE8**.

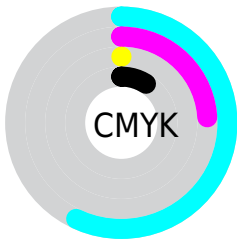
# Distribution



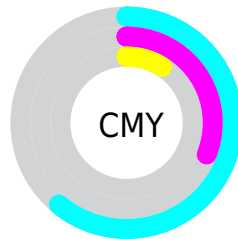
- Red (39%)
- Green (69%)
- Blue (91%)



- Red (39%)
- Yellow (58%)
- Blue (91%)



- Cyan (57%)
- Magenta (24%)
- Yellow (0%)
- Black (9%)



- Cyan (61%)
- Magenta (31%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64B1E8 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 64B1E8 by changing the saturation by 10% instead.



■ 64B1E8

■ 64B1E8

FFFFFF

■ 4596CC

■ 9FE9FF

■ 1D7DB0

■ BDFFFF

■ 006495

■ DBFFFF

■ 004C7B

■ F9FFFF

■ 003562

■ 00214A

■ 000433

■ 00021D

■ 000000

■ 64B1E8

■ 64B1E8

■ 4DA7E8

■ 7BBBE8

■ 369EE8

■ 92C4E8

■ 1E94E8

■ AACEE8

■ 078AE8

■ C1D8E8

■ 0087E8

■ D8E1E8

■ EFEBE8

■ FFF5E8

■ FFFEE8

■ FFFF8E8

# Harmonies

## Analogous

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



34B8D8



64B1E8



99A6E7

# Triad

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



64B1E8



E99198



88B67C

# Complementary

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



64B1E8



E89B64

# 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.



ADAD6B



64B1E8



E2987C

# Square

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



64B1E8



E092B9



CCA36B



60BA9A

# Rectangle

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



64B1E8



B79FDD



CCA36B



95B375

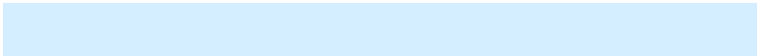


# Sweetspot

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



64B1E8



D4EDFF



64E89B



667580



000000



808080



# Same Dimension

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



64B1E8



52B7FF



646FE8



676E73



0068B3



001E33



# Inverse Universe

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



E864B1



FF52B7



E8DD64



73676E



B30068

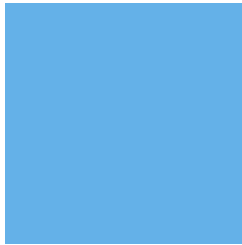


33001E



# Previews

## White Background



This preview shows how the Hex color 64B1E8 looks on a white background.

## Color Contrast Check

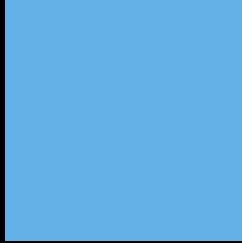
Large Text (above 18pt) WCAG AA × Fail

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 64B1E8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

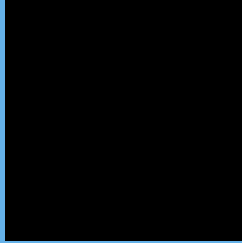
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

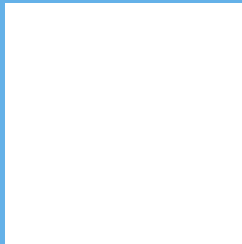
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 64B1E8 Background



This preview shows how black text looks on a background with the Hex color 64B1E8.

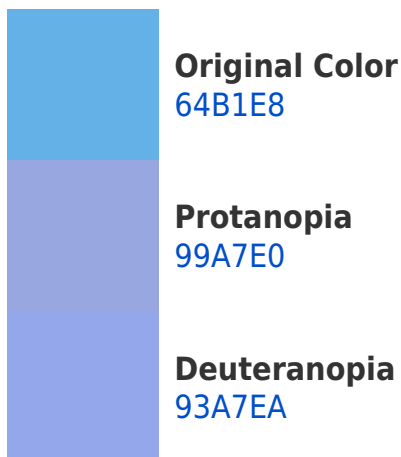


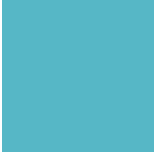
This preview shows how white text looks on a background with the Hex color 64B1E8.

# 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](#).

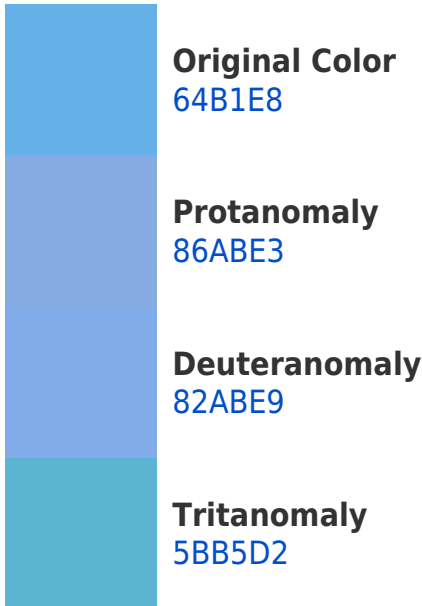
## Dichromacy



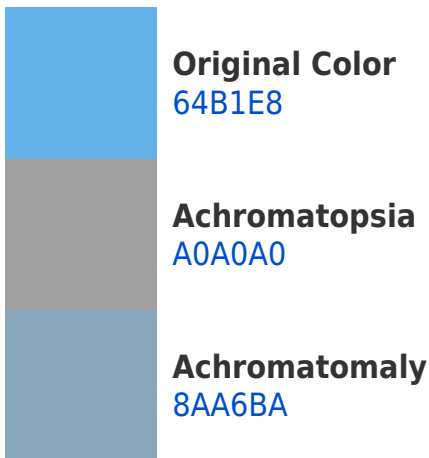


**Tritanopia**  
56B7C6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64B1E8 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 #64B1E8 looks like.

```
.text, #text, p{  
    color:#64B1E8  
}
```

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 #64B1E8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64B1E8
}
```

## Border

The CSS property to change the border of an element to Hex 64B1E8 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
#64B1E8 }
```

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

```
.border{ border-color:#64B1E8 }
```

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

Here you see how a box with a 4 pixel #64B1E8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64B1E8; -webkit-box-shadow:4px 4px  
4px 4px #64B1E8; box-shadow:4px 4px 4px  
4px #64B1E8 }
```

# Background

The CSS property to change the background color of an element to Hex 64B1E8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64B1E8 }
```

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

```
.background{ background-color:#64B1E8 }
```

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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