

# Converting Colors

Hex(64C8E9)

Have a look what the booklet for  
Hex(64C8E9) contains.

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# **Color**

**Hex(64C8E9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	64C8E9
RGB	100, 200, 233
RGB Percent	39%, 78%, 91%
CMY	0.6078, 0.2157, 0.0863
CMYK	0.57, 0.14, 0.00, 0.09
HSL	195°, 75%, 65%
HSV	195°, 57%, 91%
XYZ	40.6178, 49.9011, 84.5819
YIQ	173.8620, -70.1930, -10.9370

# Conversions

## Conversions Part 2

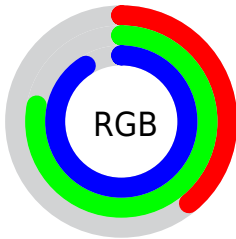
Format	Color
<a href="#">RYB</a>	<a href="#">100, 157, 233</a>
Decimal	<a href="#">6605033</a>
CIELab	<a href="#">76.01, -19.97, -25.22</a>
CIElCh	<a href="#">76, 32.170, 231.617</a>
Yxy	<a href="#">49.9011, 0.2320, 0.2850</a>
Android (android.graphics.Color)	<a href="#">4284795113 (0xFF64C8E9)</a>
YUV	<a href="#">173.8620, 29.1550, -64.7770</a>
Hunter-Lab	<a href="#">70.6407, -20.9852, -21.5426</a>

# Details

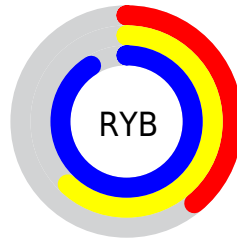
The Hex color **64C8E9** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **E98564**, and the grayscale version is **AEAEAE**.

A 20% lighter version of the original color is **A0FFFF**, and **1992B1** is the 20% darker color. If you saturate the color by 10%, you get **4DC2E9**, and if you desaturate by 10%, it is **7BCEE9**.

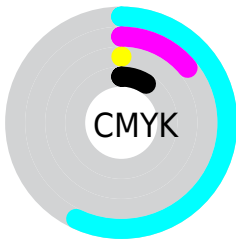
# Distribution



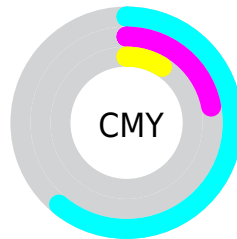
- Red (39%)
- Green (78%)
- Blue (91%)



- Red (39%)
- Yellow (62%)
- Blue (91%)



- Cyan (57%)
- Magenta (14%)
- Yellow (0%)
- Black (9%)



- Cyan (61%)
- Magenta (22%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64C8E9 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 64C8E9 by changing the saturation by 10% instead.



 64C8E9

 64C8E9

FFFFFF

 44ADCD

 A0FFFF

 1992B1

 BEFFFF

 007896

 DCFFFF

 005F7D

 FAFFFF

 004763

 00314B

 001D35

 00021F

 000003

■ 64C8E9

■ 64C8E9

■ 4DC2E9

■ 7BC EE9

■ 35BCE9

■ 93D4E9

■ 1EB7E9

■ AAD9E9

■ 07B1E9

■ C1DFE9

■ 00AFE9

■ D9E5E9

■ F0EBE9

■ FFF0E9

■ FFF6E9

■ FFFCE9

# Harmonies

## Analogous

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



5ECCD0



64C8E9



88C1F6

# Triad

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



64C8E9



F0A6C5



BAC084

# Complementary

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



64C8E9



E98564

# 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.



D8B781



64C8E9



F7A6A7

# Square

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



64C8E9



D9ADE1



EEAD8E



98C796

# Rectangle

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



64C8E9



A6BAF5



EEAD8E



C5BD81

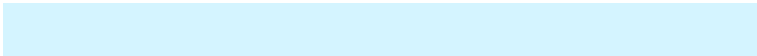


# Sweetspot

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



64C8E9



D4F4FF



64E983



667980



000000



808080



# Same Dimension

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



64C8E9



52D4FF



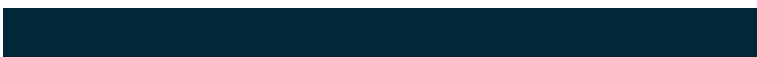
6487E9



6A7275



0088B5



002836



# Inverse Universe

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



E964C8



FF52D4



E9C664



756A72



B50088

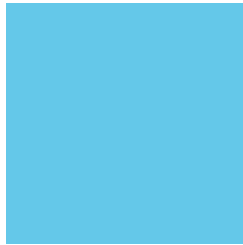


360028



# Previews

## White Background



This preview shows how the Hex color 64C8E9 looks on a white background.

## Color Contrast Check

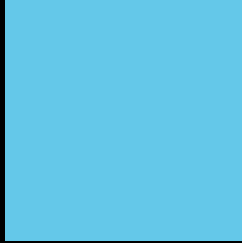
Large Text (above 18pt) WCAG AA × Fail

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 64C8E9 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 64C8E9 Background



This preview shows how black text looks on a background with the Hex color 64C8E9.

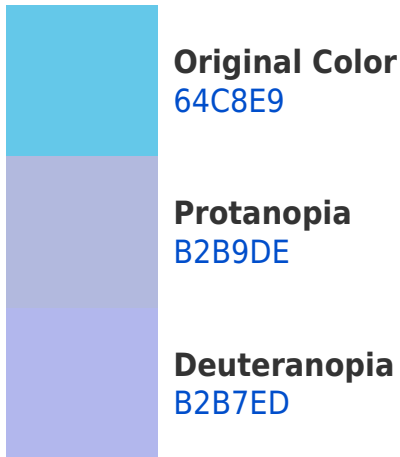


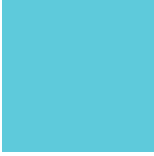
This preview shows how white text looks on a background with the Hex color 64C8E9.

# Color Blindness Simulation

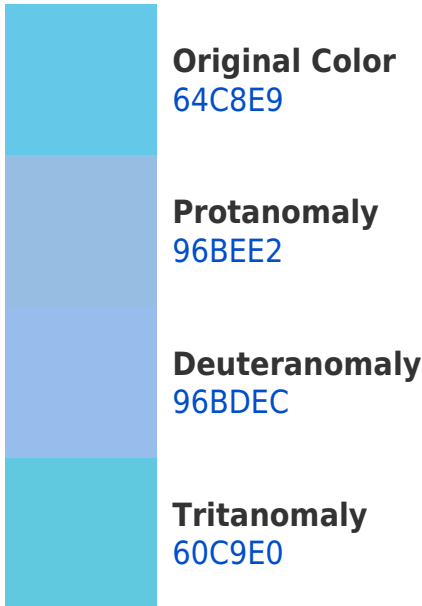
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

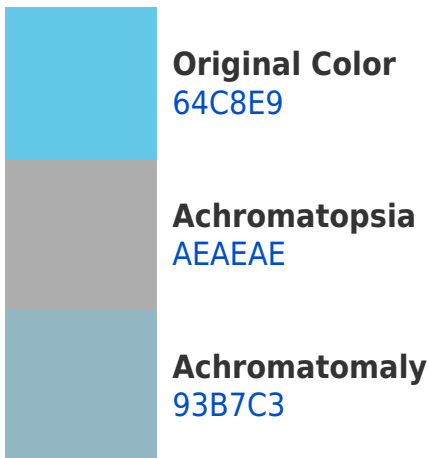




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64C8E9 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 #64C8E9 looks like.

```
.text, #text, p{  
    color:#64C8E9  
}
```

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 #64C8E9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64C8E9
}
```

## Border

The CSS property to change the border of an element to Hex 64C8E9 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
#64C8E9 }
```

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

```
.border{ border-color:#64C8E9 }
```

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

Here you see how a box with a 4 pixel #64C8E9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64C8E9; -webkit-box-shadow:4px 4px  
4px 4px #64C8E9; box-shadow:4px 4px 4px  
4px #64C8E9 }
```

# Background

The CSS property to change the background color of an element to Hex 64C8E9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64C8E9 }
```

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

```
.background{ background-color:#64C8E9 }
```

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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