

# Converting Colors

Hex(64A8ED)

Have a look what the booklet for  
Hex(64A8ED) contains.

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**Color**

**Hex(64A8ED)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	64A8ED
RGB	100, 168, 237
RGB Percent	39%, 66%, 93%
CMY	0.6078, 0.3412, 0.0706
CMYK	0.58, 0.29, 0.00, 0.07
HSL	210°, 79%, 66%
HSV	210°, 58%, 93%
XYZ	34.5442, 36.8290, 85.4088
YIQ	155.5340, -62.6770, 7.0430

# Conversions

## Conversions Part 2

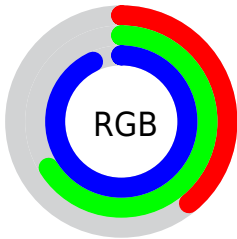
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">100, 145, 237</a>
Decimal	<a href="#">6596845</a>
CIELab	<a href="#">67.15, -1.58, -41.09</a>
CIELCh	<a href="#">67, 41.120, 267.799</a>
Yxy	<a href="#">36.8290, 0.2203, 0.2349</a>
Android (android.graphics.Color)	<a href="#">4284786925 (0xFF64A8ED)</a>
YUV	<a href="#">155.5340, 40.1627, -48.7033</a>
Hunter-Lab	<a href="#">60.6869, -4.5963, -40.9620</a>

# Details

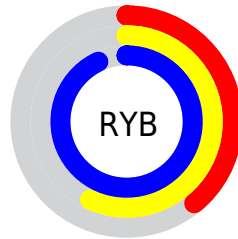
The Hex color **64A8ED** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **EDA964**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **A0DFFF**, and **1C74B5** is the 20% darker color. If you saturate the color by 10%, you get **4C9CED**, and if you desaturate by 10%, it is **7CB4ED**.

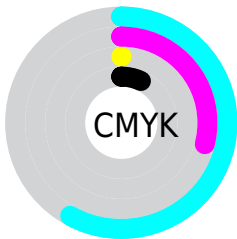
# Distribution



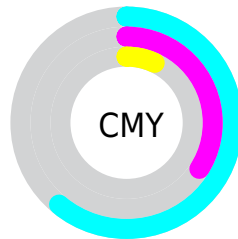
- Red (39%)
- Green (66%)
- Blue (93%)



- Red (39%)
- Yellow (57%)
- Blue (93%)



- Cyan (58%)
- Magenta (29%)
- Yellow (0%)
- Black (7%)



- Cyan (61%)
- Magenta (34%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 64A8ED 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 64A8ED by changing the saturation by 10% instead.



 64A8ED

 64A8ED

FFFFFF

 448ED1

 A0DFFF

 1C74B5

 BDFBFF

 005C9A

 DBFFFF

 00457F

 F9FFFF

 002F66

 001B4E

 000536

 000220

 000004

■ 64A8ED

■ 64A8ED

■ 4C9CED

■ 7CB4ED

■ 3590ED

■ 93C0ED

■ 1D84ED

■ ABCCED

■ 0578ED

■ C3D8ED

■ 0076ED

■ DAE4ED

■ F2F0ED

■ FFFCED

■ FFFFED

# Harmonies

## Analogous

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



00B1E1



64A8ED



A39BE5

# Triad

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



64A8ED



EA8983



6BB37B

# Complementary

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



64A8ED



EDA964

# 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.



98AC60



64A8ED



DA9366

# Square

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



64A8ED



E786A8



BDA058



2EB79F

# Rectangle

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



64A8ED



C392D5



BDA058



7BB170

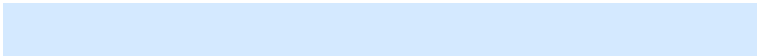


# Sweetspot

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



64A8ED



D4E9FF



64EDA8



667380



000000



808080



# Same Dimension

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



64A8ED



4FA6FF



6464ED



6A6F75



005AB5



001B36



# Inverse Universe

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



ED64A8



FF4FA6



EDED64



756A6F



B5005A



36001B



# Previews

## White Background



This preview shows how the Hex color 64A8ED looks on a white background.

## Color Contrast Check

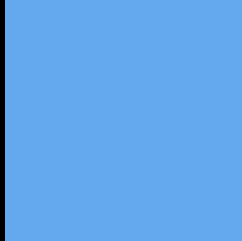
Large Text (above 18pt) WCAG AA × Fail

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 64A8ED looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

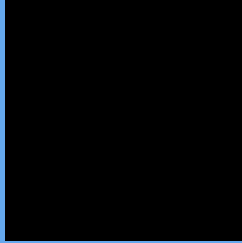
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

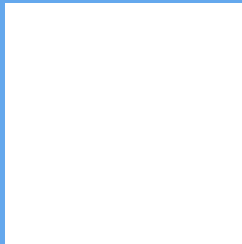
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 64A8ED Background



This preview shows how black text looks on a background with the Hex color 64A8ED.

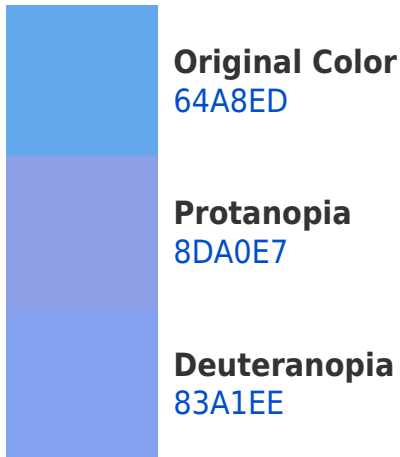


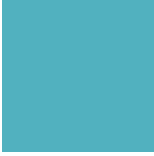
This preview shows how white text looks on a background with the Hex color 64A8ED.

# 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](#).

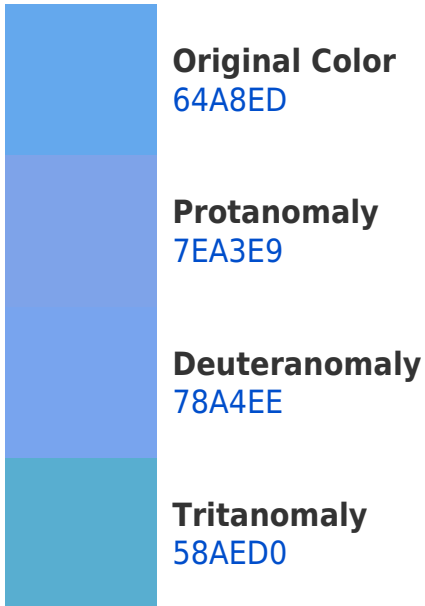
## Dichromacy



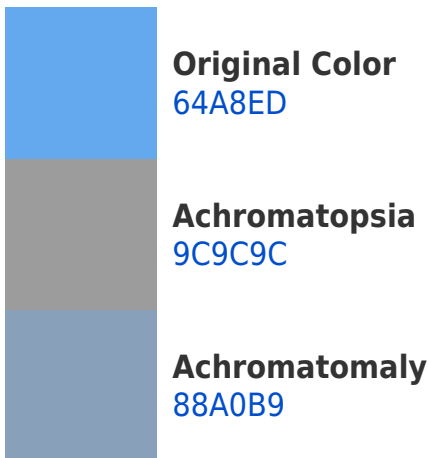


**Tritanopia**  
51B1BF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 64A8ED 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 #64A8ED looks like.

```
.text, #text, p{  
    color:#64A8ED  
}
```

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 #64A8ED colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #64A8ED
}
```

## Border

The CSS property to change the border of an element to Hex 64A8ED 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
#64A8ED }
```

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

```
.border{ border-color:#64A8ED }
```

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

Here you see how a box with a 4 pixel #64A8ED colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #64A8ED; -webkit-box-shadow:4px 4px  
4px 4px #64A8ED; box-shadow:4px 4px 4px  
4px #64A8ED }
```

# Background

The CSS property to change the background color of an element to Hex 64A8ED is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#64A8ED }
```

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

```
.background{ background-color:#64A8ED }
```

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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