

# Converting Colors

Hex(65BDE2)

Have a look what the booklet for  
Hex(65BDE2) contains.

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# **Color**

**Hex(65BDE2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	65BDE2
RGB	101, 189, 226
RGB Percent	40%, 74%, 89%
CMY	0.6039, 0.2588, 0.1137
CMYK	0.55, 0.16, 0.00, 0.11
HSL	198°, 68%, 64%
HSV	198°, 55%, 89%
XYZ	37.2919, 44.6529, 78.6049
YIQ	166.9060, -64.3250, -7.1490

# Conversions

## Conversions Part 2

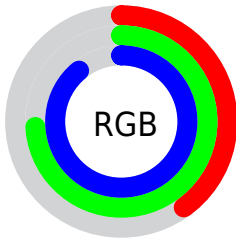
<b>Format</b>	<b>Color</b>
<b>RYB</b>	101, 153, 226
Decimal	6667746
CIELab	72.66, -16.13, -26.55
CIELCh	73, 31.063, 238.724
Yxy	44.6529, 0.2323, 0.2781
Android (android.graphics.Color)	4284857826 (0xFF65BDE2)
YUV	166.9060, 29.1333, -57.7996
Hunter-Lab	66.8228, -17.3242, -22.9679

# Details

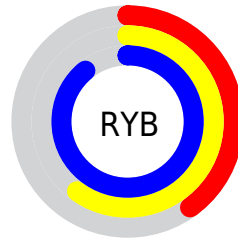
The Hex color **65BDE2** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **E28A65**, and the grayscale version is **A7A7A7**.

A 20% lighter version of the original color is **A0F5FF**, and **2088AB** is the 20% darker color. If you saturate the color by 10%, you get **4EB6E2**, and if you desaturate by 10%, it is **7CC4E2**.

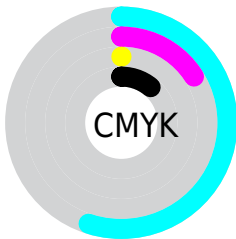
# Distribution



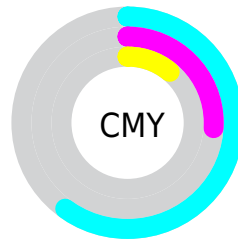
- Red (40%)
- Green (74%)
- Blue (89%)



- Red (40%)
- Yellow (60%)
- Blue (89%)



- Cyan (55%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)



- Cyan (60%)
- Magenta (26%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 65BDE2 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 65BDE2 by changing the saturation by 10% instead.



■ 65BDE2

■ 65BDE2

FFFFFF

■ 46A2C6

■ A0F5FF

■ 2088AB

■ BDFFFF

■ 006E90

■ DBFFFF

■ 005676

■ F9FFFF

■ 003E5D

■ 002846

■ 00132F

■ 00011A

■ 000000

■ 65BDE2

■ 65BDE2

■ 4EB6E2

■ 7CC4E2

■ 38B0E2

■ 92CAE2

■ 21A9E2

■ A9D1E2

■ 0BA2E2

■ BFD8E2

■ 009FE2

■ D6DEE2

■ EDE5E2

■ FFECE2

■ FFF3E2

■ FFF9E2

# Harmonies

## Analogous

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



57C1CD



65BDE2



8BB5EB

# Triad

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



65BDE2



E89DB5



AAB980

# Complementary

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



65BDE2



E28A65

# 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.



C7B079



65BDE2



EA9F98

# Square

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



65BDE2



D5A2D0



DEA683



89BF94

# Rectangle

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



65BDE2



A7AFE8



DEA683



B4B67C

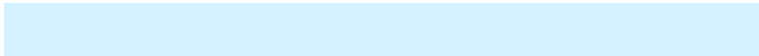


# Sweetspot

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



65BDE2



D4F2FF



65E288



667880



000000



808080



# Same Dimension

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



65BDE2



57CDFE



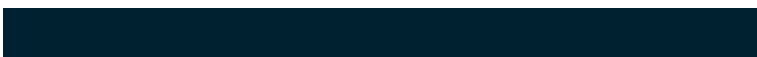
6580E2



656D70



007CB0



002230



# Inverse Universe

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



E265BD



FF57CD



E2C765



70656D



B0007C

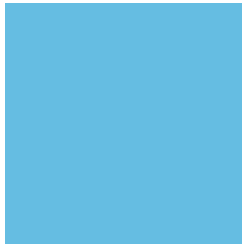


300022



# Previews

## White Background



This preview shows how the Hex color 65BDE2 looks on a white background.

## Color Contrast Check

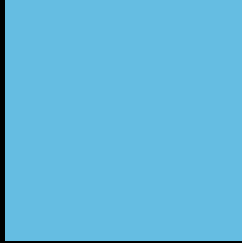
Large Text (above 18pt) WCAG AA × Fail

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 65BDE2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

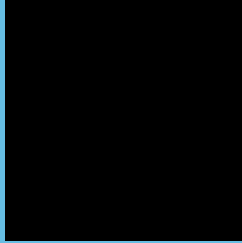
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 65BDE2 Background



This preview shows how black text looks on a background with the Hex color 65BDE2.

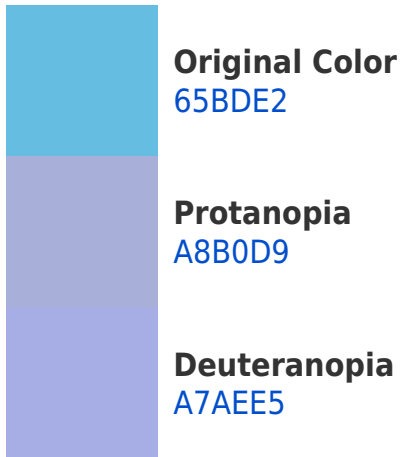


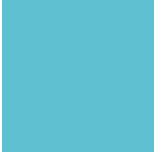
This preview shows how white text looks on a background with the Hex color 65BDE2.

# Color Blindness Simulation

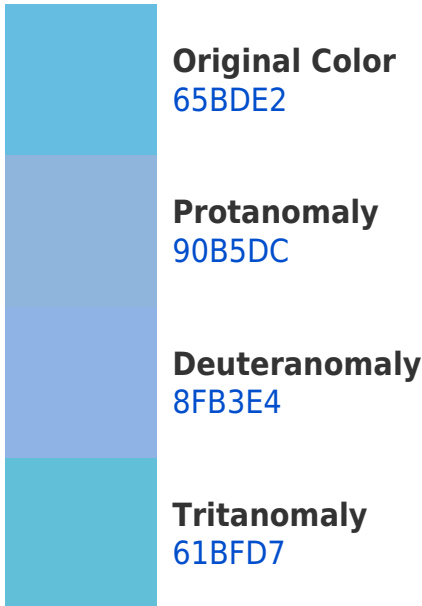
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

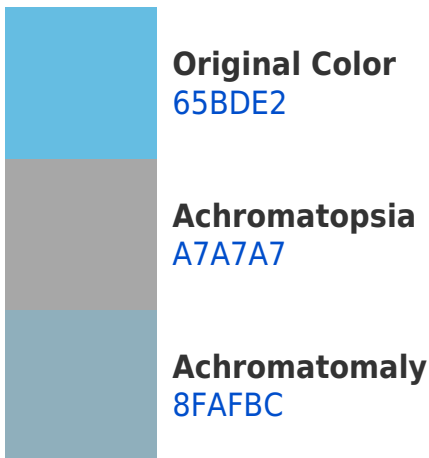




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 65BDE2 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 #65BDE2 looks like.

```
.text, #text, p{  
    color:#65BDE2  
}
```

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 #65BDE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #65BDE2  
}
```

## Border

The CSS property to change the border of an element to Hex 65BDE2 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  
#65BDE2 }
```

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

```
.border{ border-color:#65BDE2 }
```

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

Here you see how a box with a 4 pixel #65BDE2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #65BDE2; -webkit-box-shadow:4px 4px  
4px 4px #65BDE2; box-shadow:4px 4px 4px  
4px #65BDE2 }
```

# Background

The CSS property to change the background color of an element to Hex 65BDE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#65BDE2 }
```

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

```
.background{ background-color:#65BDE2 }
```

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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