

# Converting Colors

Hex(81CCE2)

Have a look what the booklet for  
Hex(81CCE2) contains.

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# **Color**

**Hex(81CCE2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81CCE2
RGB	129, 204, 226
RGB Percent	51%, 80%, 89%
CMY	0.4941, 0.2000, 0.1137
CMYK	0.43, 0.10, 0.00, 0.11
HSL	194°, 63%, 70%
HSV	194°, 43%, 89%
XYZ	44.3736, 53.3438, 79.9092
YIQ	184.0830, -51.7620, -9.0580

# Conversions

## Conversions Part 2

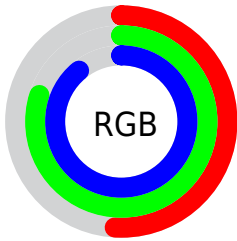
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 171, 226
Decimal	8506594
CIELab	78.08, -17.63, -18.20
CIELCh	78, 25.335, 225.918
Yxy	53.3438, 0.2498, 0.3003
Android (android.graphics.Color)	4286696674 (0xFF81CCE2)
YUV	184.0830, 20.6651, -48.3078
Hunter-Lab	73.0369, -19.3667, -13.7430

# Details

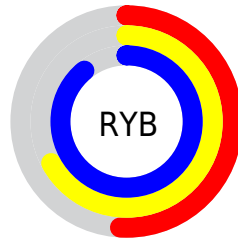
The Hex color **81CCE2** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **E29781**, and the grayscale version is **B8B8B8**.

A 20% lighter version of the original color is **BAFFFF**, and **4896AB** is the 20% darker color. If you saturate the color by 10%, you get **6AC7E2**, and if you desaturate by 10%, it is **98D1E2**.

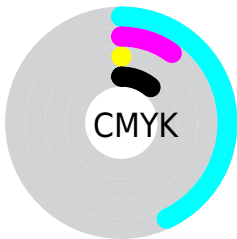
# Distribution



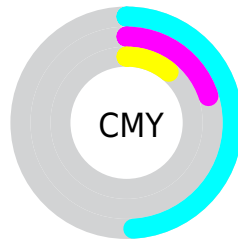
- Red (51%)
- Green (80%)
- Blue (89%)



- Red (51%)
- Yellow (67%)
- Blue (89%)



- Cyan (43%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)



- Cyan (49%)
- Magenta (20%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81CCE2 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 81CCE2 by changing the saturation by 10% instead.



 81CCE2

 81CCE2

FFFFFF

 65B0C6

 BAFFFF

 4896AB

 D7FFFF

 297C90

 F4FFFF

 006376

 004B5E

 003446

 001F30

 00011B

 000000

81CCE2

81CCE2

6AC7E2

98D1E2

54C2E2

AED6E2

3DBDE2

C5DBE2

27B7E2

DBE1E2

10B2E2

F2E6E2

00AFE2

FFEBE2

FFF0E2

FFF5E2

FFFAE2

# Harmonies

## Analogous

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



80CECD



81CCE2



96C7EE

# Triad

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



81CCE2



E9B1CD



C6C494

# Complementary

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



81CCE2



E29781

# 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.



DDBC94



81CCE2



F1B0B5

# Square

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



81CCE2



D4B7E2



EDB5A0



ABCAA0

# Rectangle

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



81CCE2



ABC2EF



EDB5A0



CEC192



# Sweetspot

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



81CCE2



DEF7FF



81E296



6B7B80



000000



808080

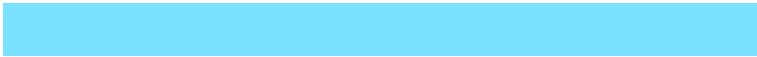


# Same Dimension

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



81CCE2



7AE1FF



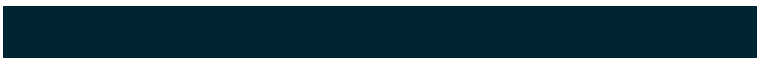
819CE2



656E70



0088B0



002530



# Inverse Universe

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



E281CC



FF7AE1



E2C781



70656E



B00088

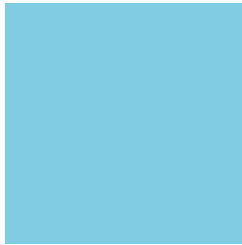


300025



# Previews

## White Background



This preview shows how the Hex color 81CCE2 looks on a white background.

## Color Contrast Check

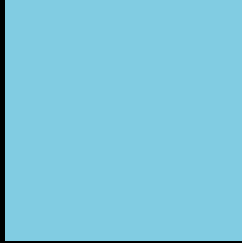
Large Text (above 18pt) WCAG AA × Fail

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 81CCE2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

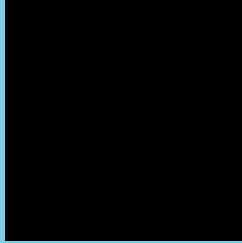
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 81CCE2 Background



This preview shows how black text looks on a background with the Hex color 81CCE2.

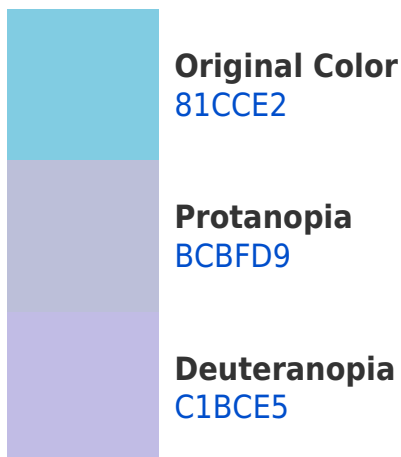


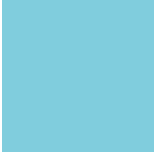
This preview shows how white text looks on a background with the Hex color 81CCE2.

# 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](#).

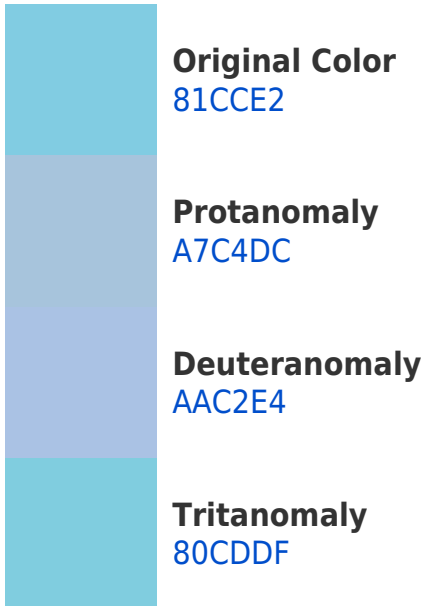
## Dichromacy



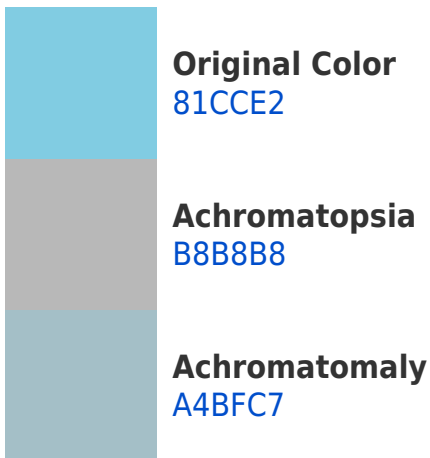


**Tritanopia**  
80CDDD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81CCE2 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 #81CCE2 looks like.

```
.text, #text, p{  
    color:#81CCE2  
}
```

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 #81CCE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81CCE2
}
```

## Border

The CSS property to change the border of an element to Hex 81CCE2 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
#81CCE2 }
```

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

```
.border{ border-color:#81CCE2 }
```

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

Here you see how a box with a 4 pixel #81CCE2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81CCE2; -webkit-box-shadow:4px 4px  
4px 4px #81CCE2; box-shadow:4px 4px 4px  
4px #81CCE2 }
```

# Background

The CSS property to change the background color of an element to Hex 81CCE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81CCE2 }
```

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

```
.background{ background-color:#81CCE2 }
```

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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