

# Converting Colors

Hex(81ACE8)

Have a look what the booklet for  
Hex(81ACE8) contains.

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# **Color**

**Hex(81ACE8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81ACE8
RGB	129, 172, 232
RGB Percent	51%, 67%, 91%
CMY	0.4941, 0.3255, 0.0902
CMYK	0.44, 0.26, 0.00, 0.09
HSL	215°, 69%, 71%
HSV	215°, 44%, 91%
XYZ	38.3713, 39.9984, 82.0420
YIQ	165.9830, -44.8880, 9.5440

# Conversions

## Conversions Part 2

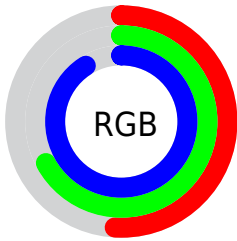
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">129, 159, 232</a>
Decimal	<a href="#">8498408</a>
CIELab	<a href="#">69.47, 1.14, -34.63</a>
CIELCh	<a href="#">69, 34.653, 271.885</a>
Yxy	<a href="#">39.9984, 0.2392, 0.2493</a>
Android (android.graphics.Color)	<a href="#">4286688488 (0xFF81ACE8)</a>
YUV	<a href="#">165.9830, 32.5464, -32.4341</a>
Hunter-Lab	<a href="#">63.2443, -2.3788, -32.6415</a>

# Details

The Hex color **81ACE8** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **E8BD81**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **BAE3FF**, and **4978B0** is the 20% darker color. If you saturate the color by 10%, you get **6A9EE8**, and if you desaturate by 10%, it is **98BAE8**.

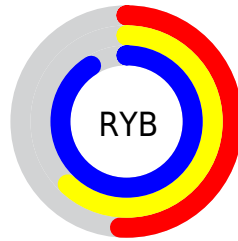
# Distribution



Red (51%)

Green (67%)

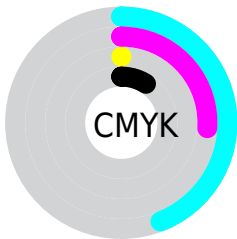
Blue (91%)



Red (51%)

Yellow (62%)

Blue (91%)

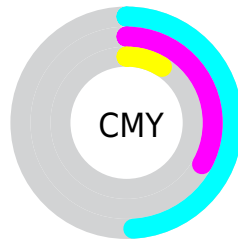


Cyan (44%)

Magenta (26%)

Yellow (0%)

Black (9%)



Cyan (49%)

Magenta (33%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81ACE8 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 81ACE8 by changing the saturation by 10% instead.



81ACE8

81ACE8

FFFFFF

6592CC

BAE3FF

4978B0

D7FFFF

2A5F95

F4FFFF

00487B

003262

001D4A

000433

00021D

000000

■ 81ACE8

■ 81ACE8

■ 6A9EE8

■ 98BAE8

■ 5391E8

■ AFC7E8

■ 3B83E8

■ C7D5E8

■ 2476E8

■ DEE2E8

■ 0D68E8

■ F5F0E8

■ 0061E8

■ FFFDE8

■ FFFFE8

# Harmonies

## Analogous

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



4FB5E0



81ACE8



B0A1DF

# Triad

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



81ACE8



E6958A



76B88B

# Complementary

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



81ACE8



E8BD81

# 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.



9CB273



81ACE8



D79E73

# Square

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



81ACE8



E592A9



BDA86A



4FBBAB

# Rectangle

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



81ACE8



C99AD1



BDA86A



83B682

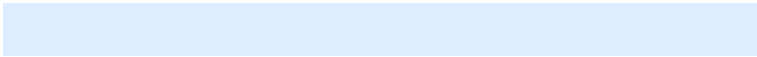


# Sweetspot

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



81ACE8



DEECFF



81E8BB



6B7480



000000



808080

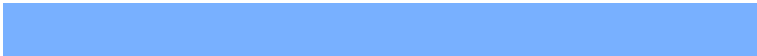


# Same Dimension

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



81ACE8



78B0FF



8881E8



676C73



004BB3



001533



# Inverse Universe

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



E881AC



FF78B0



E1E881



73676C



B3004B

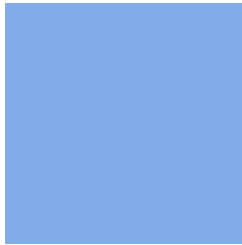


330015



# Previews

## White Background



This preview shows how the Hex color 81ACE8 looks on a white background.

## Color Contrast Check

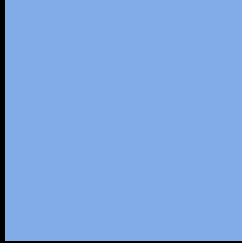
Large Text (above 18pt) WCAG AA × Fail

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 81ACE8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

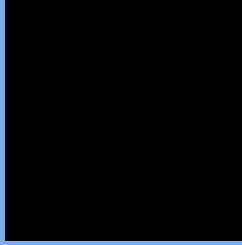
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

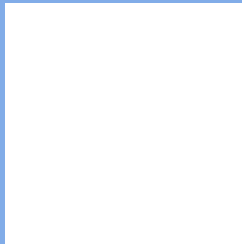
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 81ACE8 Background



This preview shows how black text looks on a background with the Hex color 81ACE8.

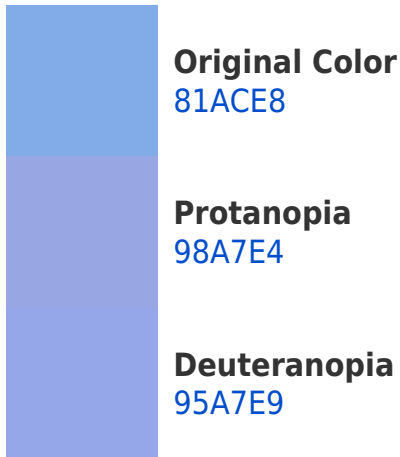


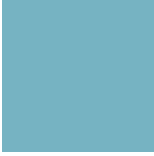
This preview shows how white text looks on a background with the Hex color 81ACE8.

# 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](#).

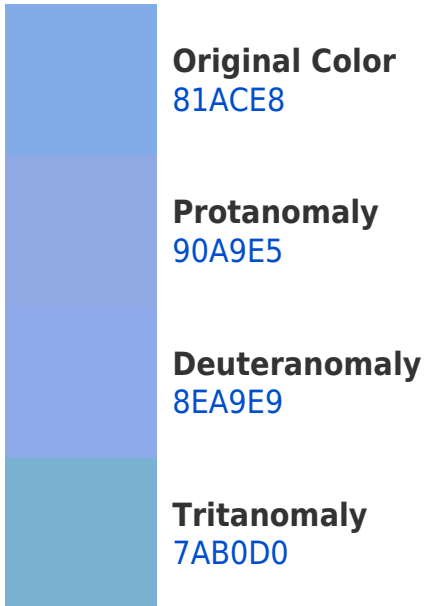
## Dichromacy



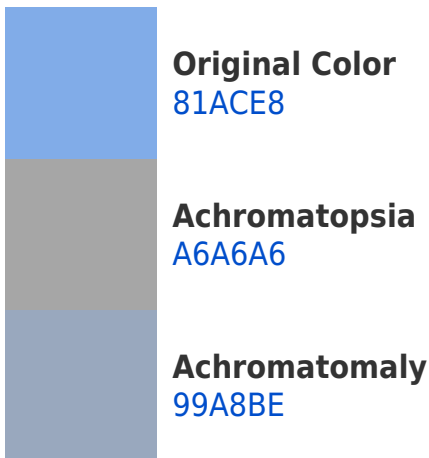


**Tritanopia**  
76B3C2

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81ACE8 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 #81ACE8 looks like.

```
.text, #text, p{  
    color:#81ACE8  
}
```

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 #81ACE8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81ACE8  
}
```

## Border

The CSS property to change the border of an element to Hex 81ACE8 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  
#81ACE8 }
```

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

```
.border{ border-color:#81ACE8 }
```

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

Here you see how a box with a 4 pixel #81ACE8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81ACE8; -webkit-box-shadow:4px 4px  
4px 4px #81ACE8; box-shadow:4px 4px 4px  
4px #81ACE8 }
```

# Background

The CSS property to change the background color of an element to Hex 81ACE8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81ACE8 }
```

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

```
.background{ background-color:#81ACE8 }
```

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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