

# Converting Colors

Hex(80C3EC)

Have a look what the booklet for  
Hex(80C3EC) contains.

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# **Color**

**Hex(80C3EC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80C3EC
RGB	128, 195, 236
RGB Percent	50%, 76%, 93%
CMY	0.4980, 0.2353, 0.0745
CMYK	0.46, 0.17, 0.00, 0.07
HSL	203°, 74%, 71%
HSV	203°, 46%, 93%
XYZ	43.5575, 49.6755, 86.6495
YIQ	179.6410, -53.0930, -1.4530

# Conversions

## Conversions Part 2

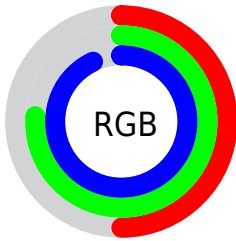
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	128, 169, 236
Decimal	8438764
CIE Lab	75.87, -10.50, -26.94
CIE LCh	76, 28.917, 248.706
Yxy	49.6755, 0.2421, 0.2762
Android (android.graphics.Color)	4286628844 (0xFF80C3EC)
YUV	179.6410, 27.7850, -45.2892
Hunter-Lab	70.4809, -13.0277, -23.5548

# Details

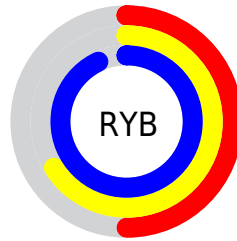
The Hex color **80C3EC** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **ECA980**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **B9FCFF**, and **468DB4** is the 20% darker color. If you saturate the color by 10%, you get **68BAEC**, and if you desaturate by 10%, it is **98CCEC**.

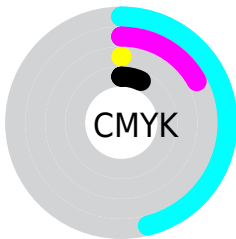
# Distribution



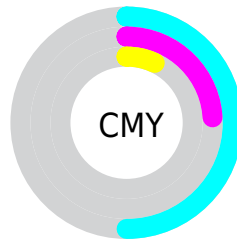
- Red (50%)
- Green (76%)
- Blue (93%)



- Red (50%)
- Yellow (66%)
- Blue (93%)



- Cyan (46%)
- Magenta (17%)
- Yellow (0%)
- Black (7%)



- Cyan (50%)
- Magenta (24%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80C3EC 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 80C3EC by changing the saturation by 10% instead.



 80C3EC

 80C3EC

FFFFFF

 64A8D0

 B9FCFF

 468DB4

 D6FFFF

 267499

 F4FFFF

 005B7F

 004466

 002E4E

 001A37

 000221

 000006

80C3EC

80C3EC

68BAEC

98CCEC

51B1EC

AFD5EC

39A8EC

C7DEEC

229FEC

DEE7EC

0A96EC

F6F0EC

0092EC

FFF9EC

FFFFEC

# Harmonies

## Analogous

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



6BC8DB



80C3EC



A5BBEF

# Triad

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



80C3EC



F0A7B4



A9C391

# Complementary

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



80C3EC



ECA980

# 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.



C6BC86



80C3EC



EEAB9B

# Square

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



80C3EC



E4AACF



DFB38A



8AC8A7

# Rectangle

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



80C3EC



BEB5EA



DFB38A



B3C18C

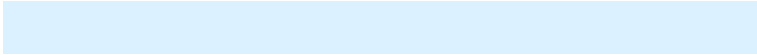


# Sweetspot

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



80C3EC



DBF1FF



80ECA8



6A7780



000000



808080



# Same Dimension

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



80C3EC



73CAFF



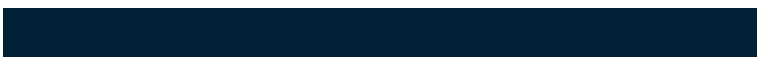
808EEC



6A7175



0070B5



002136



# Inverse Universe

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



EC80C3



FF73CA



ECDE80



756A71



B50070

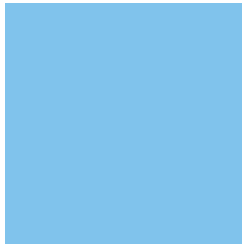


360021



# Previews

## White Background



This preview shows how the Hex color 80C3EC looks on a white background.

## Color Contrast Check

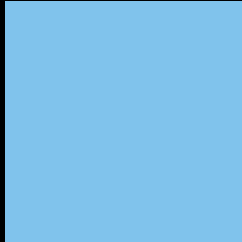
Large Text (above 18pt) WCAG AA × Fail

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 80C3EC looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

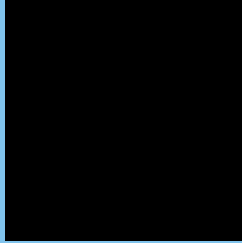
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

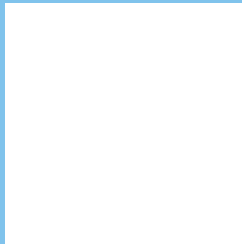
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 80C3EC Background



This preview shows how black text looks on a background with the Hex color 80C3EC.

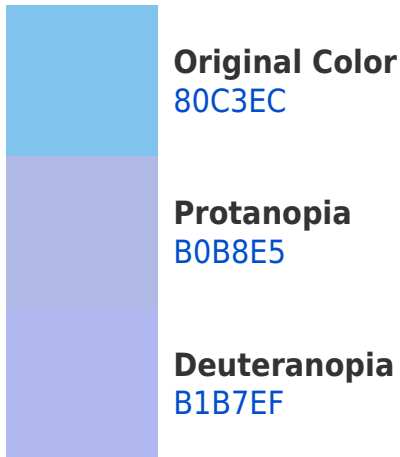


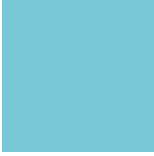
This preview shows how white text looks on a background with the Hex color 80C3EC.

# 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**  
7AC7D7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80C3EC 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 #80C3EC looks like.

```
.text, #text, p{  
    color:#80C3EC  
}
```

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 #80C3EC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80C3EC
}
```

## Border

The CSS property to change the border of an element to Hex 80C3EC 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
#80C3EC }
```

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

```
.border{ border-color:#80C3EC }
```

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

Here you see how a box with a 4 pixel #80C3EC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80C3EC; -webkit-box-shadow:4px 4px  
4px 4px #80C3EC; box-shadow:4px 4px 4px  
4px #80C3EC }
```

# Background

The CSS property to change the background color of an element to Hex 80C3EC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80C3EC }
```

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

```
.background{ background-color:#80C3EC }
```

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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