

# Converting Colors

Hex(80E7EE)

Have a look what the booklet for  
Hex(80E7EE) contains.

<b>Hex(80E7EE)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(80E7EE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80E7EE
RGB	128, 231, 238
RGB Percent	50%, 91%, 93%
CMY	0.4980, 0.0941, 0.0667
CMYK	0.46, 0.03, 0.00, 0.07
HSL	184°, 76%, 72%
HSV	184°, 46%, 93%
XYZ	52.9106, 67.9141, 91.2090
YIQ	201.0010, -63.6350, -19.6590

# Conversions

## Conversions Part 2

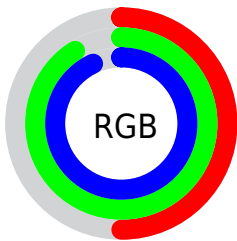
Format	Color
<a href="#">RYB</a>	<a href="#">128, 181, 238</a>
Decimal	<a href="#">8447982</a>
CIELab	<a href="#">85.96, -28.19, -12.73</a>
CIElCh	<a href="#">86, 30.929, 204.314</a>
Yxy	<a href="#">67.9141, 0.2495, 0.3203</a>
Android (android.graphics.Color)	<a href="#">4286638062</a> ( <a href="#">0xFF80E7EE</a> )
YUV	<a href="#">201.0010, 18.2405, -64.0219</a>
Hunter-Lab	<a href="#">82.4100, -29.6131, -7.9334</a>

# Details

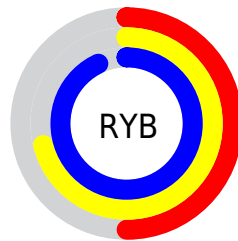
The Hex color **80E7EE** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **EE8780**, and the grayscale version is **C9C9C9**.

A 20% lighter version of the original color is **BBFFFF**, and **43AFB6** is the 20% darker color. If you saturate the color by 10%, you get **68E5EE**, and if you desaturate by 10%, it is **98E9EE**.

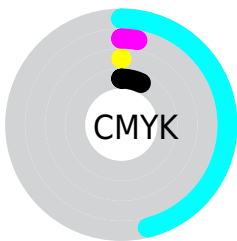
# Distribution



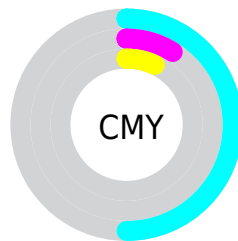
- Red (50%)
- Green (91%)
- Blue (93%)



- Red (50%)
- Yellow (71%)
- Blue (93%)



- Cyan (46%)
- Magenta (3%)
- Yellow (0%)
- Black (7%)



- Cyan (50%)
- Magenta (9%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80E7EE 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 80E7EE by changing the saturation by 10% instead.



 80E7EE

 80E7EE

FFFFFF

 62CBD2

 BBFFFF

 43AFB6

 D8FFFF

 1C949B

 F6FFFF

 007A81

 006168

 004950

 003239

 001E24

 00010E

 80E7EE

 80E7EE

 68E5EE

 98E9EE

 50E4EE

 B0EAEE

 39E2EE

 C7ECEEE

 21E1EE

 DFEDEE

 09DFEE

 F7EFEE

 00DFEE

 FFF0EE

 FFF2EE

 FFF3EE

 FFF5EE

# Harmonies

## Analogous

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



92E7D0



80E7EE



89E3FF

# Triad

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



80E7EE



F7C8FA



F2D39D

# Complementary

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



80E7EE



EE8780

# 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.



FFCAA9



80E7EE



FFC2DE

# Square

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



80E7EE



D4D1FF



FFC3C0



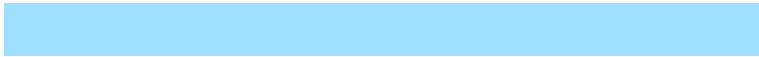
D3DDA1

# Rectangle

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



80E7EE



9EDEFF



FFC3C0



FAD09F

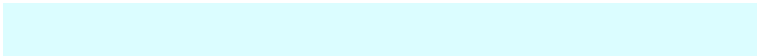


# Sweetspot

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



80E7EE



DBFDFF



80EE85



6A7E80



000000



808080



# Same Dimension

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



80E7EE



73F6FF



80B2EE



6C7778



00ACB8



003538



# Inverse Universe

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



EE80E7



FF73F6



EEBC80



786C77



B800AC

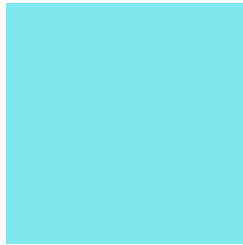


380035



# Previews

## White Background



This preview shows how the Hex color 80E7EE looks on a white background.

## Color Contrast Check

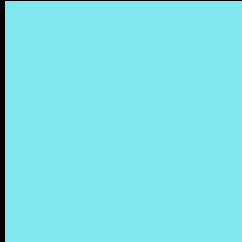
Large Text (above 18pt) WCAG AA × Fail

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 80E7EE 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 80E7EE Background



This preview shows how black text looks on a background with the Hex color 80E7EE.

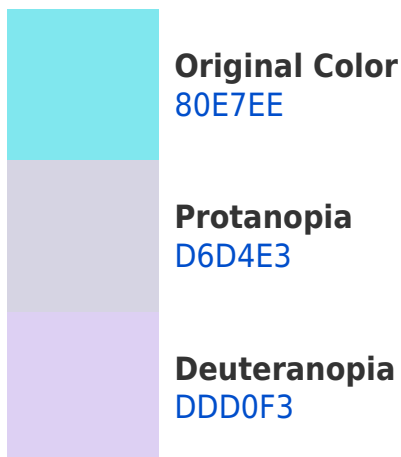


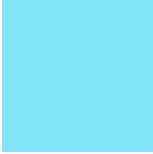
This preview shows how white text looks on a background with the Hex color 80E7EE.

# 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



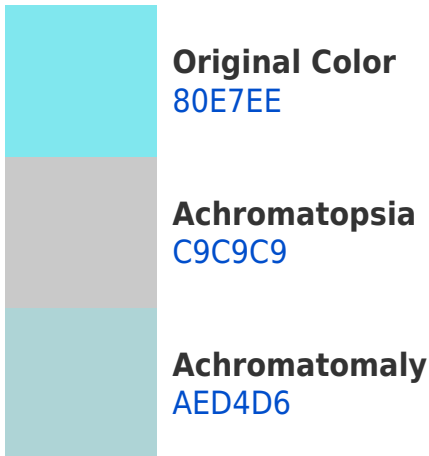


**Tritanopia**  
83E5F8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80E7EE 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 #80E7EE looks like.

```
.text, #text, p{  
    color:#80E7EE  
}
```

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 #80E7EE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80E7EE  
}
```

## Border

The CSS property to change the border of an element to Hex 80E7EE 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  
#80E7EE }
```

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

```
.border{ border-color:#80E7EE }
```

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

Here you see how a box with a 4 pixel #80E7EE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80E7EE; -webkit-box-shadow:4px 4px  
4px 4px #80E7EE; box-shadow:4px 4px 4px  
4px #80E7EE }
```

# Background

The CSS property to change the background color of an element to Hex 80E7EE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80E7EE }
```

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

```
.background{ background-color:#80E7EE }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor