

# Converting Colors

Hex(80E8E0)

Have a look what the booklet for  
Hex(80E8E0) contains.

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# **Color**

**Hex(80E8E0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80E8E0
RGB	128, 232, 224
RGB Percent	50%, 91%, 88%
CMY	0.4980, 0.0902, 0.1216
CMYK	0.45, 0.00, 0.03, 0.09
HSL	175°, 69%, 71%
HSV	175°, 45%, 91%
XYZ	51.2132, 67.6842, 80.8862
YIQ	199.9920, -59.4160, -24.5360

# Conversions

## Conversions Part 2

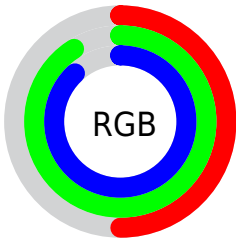
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 182, 232
Decimal	8448224
CIELab	85.85, -32.14, -5.53
CIElCh	86, 32.608, 189.771
Yxy	67.6842, 0.2563, 0.3388
Android (android.graphics.Color)	4286638304 (0xFF80E8E0)
YUV	199.9920, 11.8359, -63.1370
Hunter-Lab	82.2704, -32.8572, -0.7031

# Details

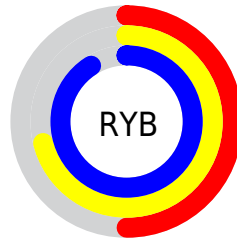
The Hex color **80E8E0** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **E88088**, and the grayscale version is **C8C8C8**.

A 20% lighter version of the original color is **BAFFFF**, and **44B0A9** is the 20% darker color. If you saturate the color by 10%, you get **69E8DE**, and if you desaturate by 10%, it is **97E8E2**.

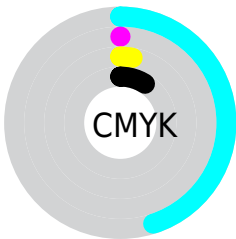
# Distribution



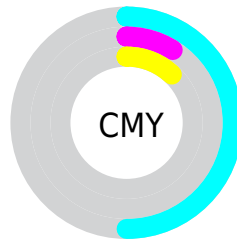
- Red (50%)
- Green (91%)
- Blue (88%)



- Red (50%)
- Yellow (71%)
- Blue (91%)



- Cyan (45%)
- Magenta (0%)
- Yellow (3%)
- Black (9%)



- Cyan (50%)
- Magenta (9%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80E8E0 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 80E8E0 by changing the saturation by 10% instead.



 80E8E0

 80E8E0

FFFFFF

 63CCCC

 BAF0FF

 44B0A9

 D8F0FF

 20958E

 F6F0FF

 007B75

 00615C

 004945

 00322F

 001D1A

 000000

 80E8E0

 80E8E0

 69E8DE

 97E8E2

 52E8DC

 AEE8E4

 3AE8DB

 C6E8E5

 23E8D9

 DDE8E7

 0CE8D7

 F4E8E9

 00E8D6

 FFE8EB

 FFE8EC

 FFE8EE

 FFE8F0

# Harmonies

## Analogous

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



9DE6C0



80E8E0



79E6FD

# Triad

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



80E8E0



E8CBFF



FFCE9D

# Complementary

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



80E8E0



E88088

# 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.



FFC4B1



80E8E0



FFC3ED

# Square

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



80E8E0



BED6FF



FFC0CD



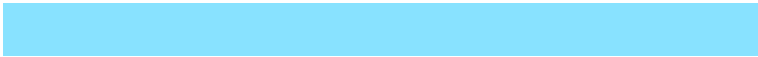
E3D89A

# Rectangle

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



80E8E0



88E2FF



FFC0CD



FFCAA2

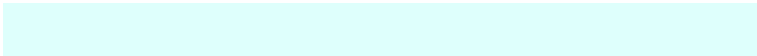


# Sweetspot

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



80E8E0



DEFFFC



89E880



6B807E



000000



808080



# Same Dimension

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



80E8E0



75FFF4



80BDE8



677372



00B3A5



00332F



# Inverse Universe

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



E88088



FF7580



E8AB80



736768



B3000E



330004



# Previews

## White Background



This preview shows how the Hex color 80E8E0 looks on a white background.

## Color Contrast Check

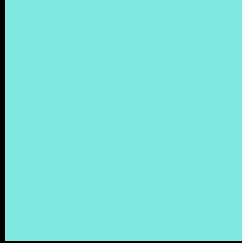
Large Text (above 18pt) WCAG AA × Fail

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 80E8E0 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 80E8E0 Background



This preview shows how black text looks on a background with the Hex color 80E8E0.

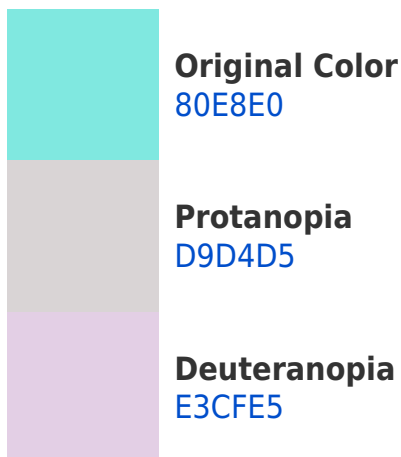


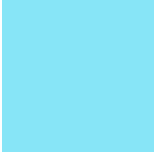
This preview shows how white text looks on a background with the Hex color 80E8E0.

# 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**  
87E5F7

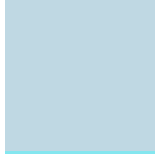
# Trichromacy



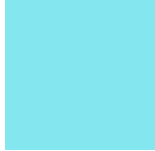
**Original Color**  
80E8E0



**Protanomaly**  
B9DBD9



**Deuteranomaly**  
BFD8E3

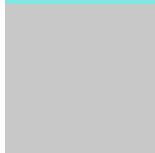


**Tritanomaly**  
84E6EF

# Monochromacy



**Original Color**  
80E8E0



**Achromatopsia**  
C8C8C8



**Achromatomaly**  
AED4D1

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80E8E0 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 #80E8E0 looks like.

```
.text, #text, p{  
    color:#80E8E0  
}
```

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 #80E8E0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80E8E0
}
```

## Border

The CSS property to change the border of an element to Hex 80E8E0 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
#80E8E0 }
```

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

```
.border{ border-color:#80E8E0 }
```

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

Here you see how a box with a 4 pixel #80E8E0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80E8E0; -webkit-box-shadow:4px 4px  
4px 4px #80E8E0; box-shadow:4px 4px 4px  
4px #80E8E0 }
```

# Background

The CSS property to change the background color of an element to Hex 80E8E0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80E8E0 }
```

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

```
.background{ background-color:#80E8E0 }
```

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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