

# Converting Colors

Hex(80EDED)

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

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

# **Color**

**Hex(80EDED)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80EDED
RGB	128, 237, 237
RGB Percent	50%, 93%, 93%
CMY	0.4980, 0.0706, 0.0706
CMYK	0.46, 0.00, 0.00, 0.07
HSL	180°, 75%, 72%
HSV	180°, 46%, 93%
XYZ	54.4723, 71.2720, 91.0066
YIQ	204.4090, -64.9640, -23.1080

# Conversions

## Conversions Part 2

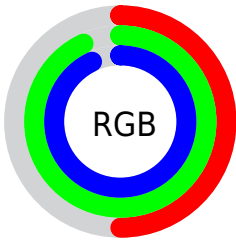
Format	Color
R <sub>YB</sub>	128, 183, 237
Decimal	8449517
CIE Lab	87.62, -31.31, -9.74
CIE LCh	88, 32.787, 197.290
Yxy	71.2720, 0.2513, 0.3288
Android (android.graphics.Color)	4286639597 (0xFF80EDED)
YUV	204.4090, 16.0674, -67.0107
Hunter-Lab	84.4227, -32.5657, -4.8179

# Details

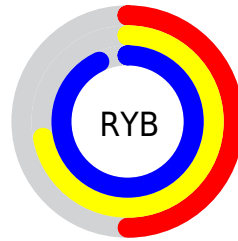
The Hex color **80EDED** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **ED8080**, and the grayscale version is **CCCCCC**.

A 20% lighter version of the original color is **BBFFFF**, and **42B5B5** is the 20% darker color. If you saturate the color by 10%, you get **68EDED**, and if you desaturate by 10%, it is **98EDED**.

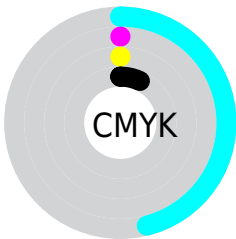
# Distribution



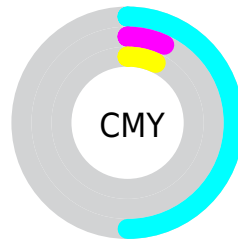
- Red (50%)
- Green (93%)
- Blue (93%)



- Red (50%)
- Yellow (72%)
- Blue (93%)



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



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

# Brightness & Saturation Gradients

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



 80EDED

 80EDED

FFFFFF

 62D1D1

 BBFFFF

 42B5B5

 D9FFFF

 1A9A9A

 F7FFFF

 007F80

 006667

 004D4F

 003639

 002223

 00010D

 80EDED

 80EDED

 68EDED

 98EDED

 51EDED

 AFEDED

 39EDED

 C7EDED

 21EDED

 DFEDED

 09EDED

 F6EDED

 00EDED

 FFEDED

# Harmonies

## Analogous

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



99ECCD



80EDED



82EAFF

# Triad

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



80EDED



F6CEFF



FED59F

# Complementary

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



80EDED



ED8080

# 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.



FFCBAF



80EDED



FFC6EA

# Square

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



80EDED



CED8FF



FFC5CB



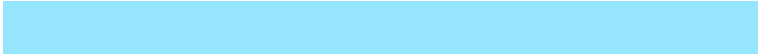
E0DFA0

# Rectangle

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



80EDED



95E5FF



FFC5CB



FFD2A3



# Sweetspot

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



80EDED



DBFFFF



80ED80



6A8080



000000



808080



# Same Dimension

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



80EDED



73FFFF



80B7ED



6A7575



00B5B5



003636



# Inverse Universe

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



ED80ED



FF73FF



EDB780



756A75



B500B5

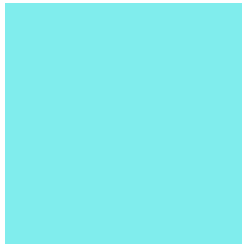


360036



# Previews

## White Background



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

## Color Contrast Check

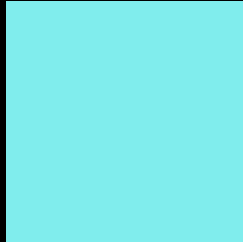
Large Text (above 18pt) WCAG AA × Fail

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 80EDED 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 80EDED Background



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

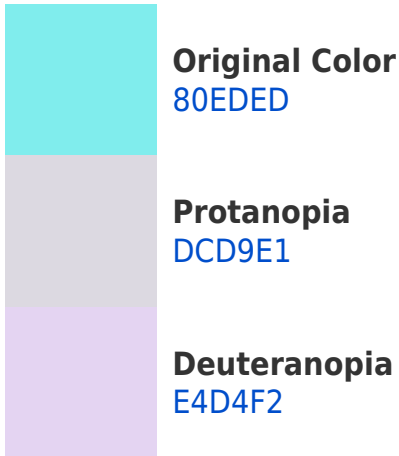


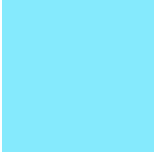
This preview shows how white text looks on a background with the Hex color 80EDED.

# 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



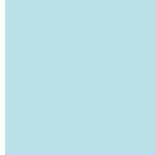


**Tritanopia**  
85EAFD

# Trichromacy



**Original Color**  
80EDED



**Protanomaly**  
BBE0E5



**Deuteranomaly**  
C0DDF0

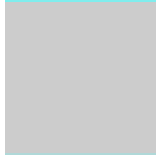


**Tritanomaly**  
83EBF7

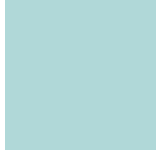
# Monochromacy



**Original Color**  
80EDED



**Achromatopsia**  
CCCCCC



**Achromatomaly**  
B0D8D8

# CSS Examples

## Text

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

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

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 #80EDED colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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