

# Converting Colors

Hex(87E9EA)

Have a look what the booklet for  
Hex(87E9EA) contains.

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**Color**

**Hex(87E9EA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87E9EA
RGB	135, 233, 234
RGB Percent	53%, 91%, 92%
CMY	0.4706, 0.0863, 0.0824
CMYK	0.42, 0.00, 0.00, 0.08
HSL	181°, 70%, 72%
HSV	181°, 42%, 92%
XYZ	53.9819, 69.3692, 88.3864
YIQ	203.8120, -58.7290, -20.4650

# Conversions

## Conversions Part 2

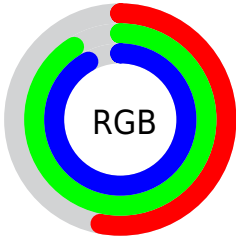
Format	Color
R <sub>Y</sub> B	135, 184, 234
Decimal	8907242
CIE Lab	86.69, -28.55, -9.52
CIE LCh	87, 30.092, 198.449
Yxy	69.3692, 0.2549, 0.3276
Android (android.graphics.Color)	4287097322 (0xFF87E9EA)
YUV	203.8120, 14.8827, -60.3481
Hunter-Lab	83.2882, -30.0625, -4.6175

# Details

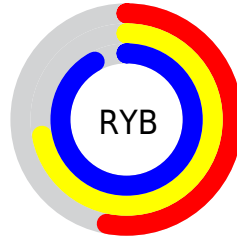
The Hex color **87E9EA** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **EA8887**, and the grayscale version is **CCCCCC**.

A 20% lighter version of the original color is **C1FFFF**, and **4CB1B2** is the 20% darker color. If you saturate the color by 10%, you get **70E9EA**, and if you desaturate by 10%, it is **9EE9EA**.

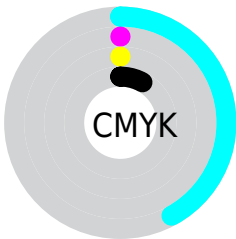
# Distribution



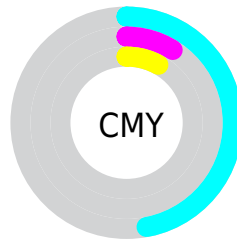
- Red (53%)
- Green (91%)
- Blue (92%)



- Red (53%)
- Yellow (72%)
- Blue (92%)



- Cyan (42%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)



- Cyan (47%)
- Magenta (9%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87E9EA 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 87E9EA by changing the saturation by 10% instead.



 87E9EA

 87E9EA

FFFFFF

 6ACDCE

 C1FFFF

 4CB1B2

 DFFFFF

 2B9698

 FFFFFFF

 007C7E

 006365

 004A4D

 003336

 002021

 000009

 87E9EA

 87E9EA

 70E9EA

 9EE9EA

 58E9EA

 B6E9EA

 41E8EA

 CDEAEA

 29E8EA

 E5EAEA

 12E8EA

 FCEAEA

 00E8EA

 FFEAEA

 FFEBEA

# Harmonies

## Analogous

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



9CE8CD



87E9EA



8AE6FF

# Triad

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



87E9EA



F3CCFF



F8D3A2

# Complementary

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



87E9EA



EA8887

# 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.



FFCAAF



87E9EA



FFC5E5

# Square

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



87E9EA



CFD6FF



FFC5C8



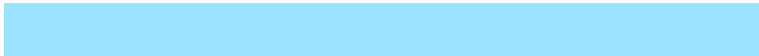
DCDDA3

# Rectangle

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



87E9EA



9BE2FF



FFC5C8



FFD0A5



# Sweetspot

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



87E9EA



DEFFFF



87EA87



6B7F80



000000



808080



# Same Dimension

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



87E9EA



7DFEFF



87B9EA



6A7575



00B3B5



003536



# Inverse Universe

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



EA87E9



FF7DFE



EAB987



756A75



B500B3

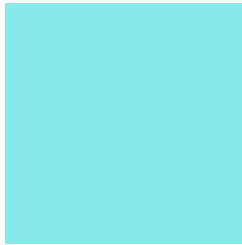


360035



# Previews

## White Background



This preview shows how the Hex color 87E9EA looks on a white background.

## Color Contrast Check

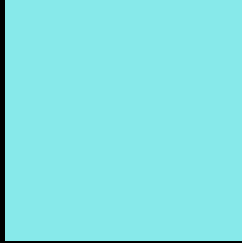
Large Text (above 18pt) WCAG AA × Fail

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 87E9EA looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

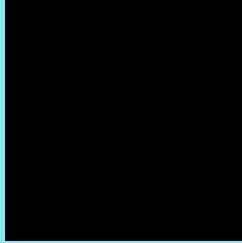
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 87E9EA Background



This preview shows how black text looks on a background with the Hex color 87E9EA.

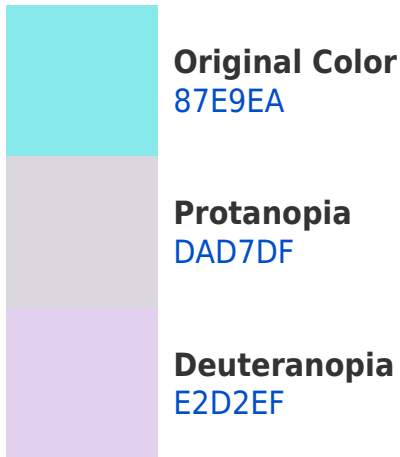


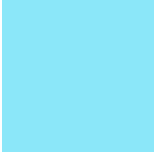
This preview shows how white text looks on a background with the Hex color 87E9EA.

# 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**  
8BE7F9

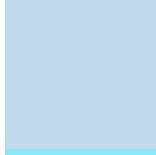
# Trichromacy



**Original Color**  
87E9EA



**Protanomaly**  
BCDEE3



**Deuteranomaly**  
C1DAED

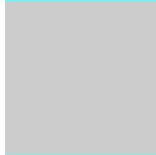


**Tritanomaly**  
8AE8F4

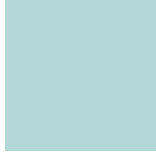
# Monochromacy



**Original Color**  
87E9EA



**Achromatopsia**  
CCCCCC



**Achromatomaly**  
B3D7D7

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87E9EA 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 #87E9EA looks like.

```
.text, #text, p{  
    color:#87E9EA  
}
```

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 #87E9EA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87E9EA
}
```

## Border

The CSS property to change the border of an element to Hex 87E9EA 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
#87E9EA }
```

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

```
.border{ border-color:#87E9EA }
```

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

Here you see how a box with a 4 pixel #87E9EA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87E9EA; -webkit-box-shadow:4px 4px  
4px 4px #87E9EA; box-shadow:4px 4px 4px  
4px #87E9EA }
```

# Background

The CSS property to change the background color of an element to Hex 87E9EA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87E9EA }
```

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

```
.background{ background-color:#87E9EA }
```

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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