

# Converting Colors

Hex(87E9C9)

Have a look what the booklet for  
Hex(87E9C9) contains.

<b>Hex(87E9C9)</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(87E9C9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87E9C9
RGB	135, 233, 201
RGB Percent	53%, 91%, 79%
CMY	0.4706, 0.0863, 0.2118
CMYK	0.42, 0.00, 0.14, 0.09
HSL	160°, 69%, 72%
HSV	160°, 42%, 91%
XYZ	49.6732, 67.6458, 65.6972
YIQ	200.0500, -48.1360, -30.7280

# Conversions

## Conversions Part 2

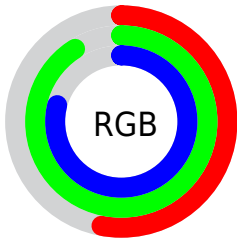
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 194, 233
Decimal	8907209
CIELab	85.83, -36.17, 6.57
CIElCh	86, 36.763, 169.713
Yxy	67.6458, 0.2714, 0.3696
Android (android.graphics.Color)	4287097289 (0xFF87E9C9)
YUV	200.0500, 0.4684, -57.0488
Hunter-Lab	82.2470, -36.1270, 10.2133

# Details

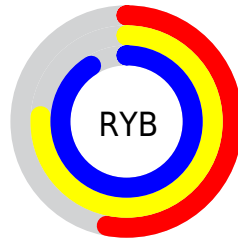
The Hex color **87E9C9** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **E987A7**, and the grayscale version is **C8C8C8**.

A 20% lighter version of the original color is **C0FFFF**, and **4EB193** is the 20% darker color. If you saturate the color by 10%, you get **70E9C1**, and if you desaturate by 10%, it is **9EE9D1**.

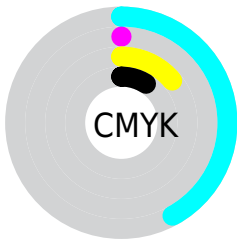
# Distribution



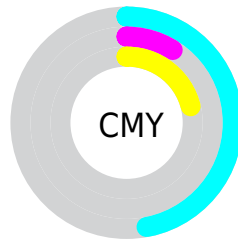
- Red (53%)
- Green (91%)
- Blue (79%)



- Red (53%)
- Yellow (76%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (14%)
- Black (9%)



- Cyan (47%)
- Magenta (9%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87E9C9 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 87E9C9 by changing the saturation by 10% instead.



 87E9C9

 87E9C9

FFFFFF

 6BCDAE


 C0FFFF

 4EB193

 DDFFFF

 309679

 FBFFFF

 017B61

 006249

 004932

 00321D

 001D04

 000000

 87E9C9

 87E9C9

 70E9C1

 9EE9D1

 58E9BA

 B6E9D8

 41E9B2

 CDE9E0

 2AE9AB

 E4E9E7

 13E9A3

 FCE9EF

 00E99D

 FFE9F7

 FFE9FE

 FFE9FF

# Harmonies

## Analogous

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



B0E4A9



87E9C9



68EAED

# Triad

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



87E9C9



CBD2FF



FFC5A3

# Complementary

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



87E9C9



E987A7

# 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.



FFBDC1



87E9C9



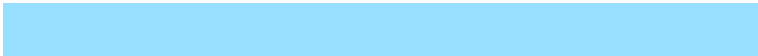
F7C6FF

# Square

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



87E9C9



97DEFF



FFBEE4



FAD092

# Rectangle

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



87E9C9



65E8FF



FFBEE4



FFC2AC

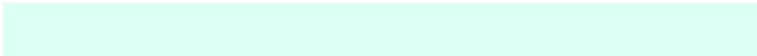


# Sweetspot

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



87E9C9



DEFFF4



A8E987



6B8079



000000



808080



# Same Dimension

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



87E9C9



80FFD5



87D9E9



6A7571



00B57A



003624



# Inverse Universe

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



E987A7



FF80A9



E99787



756A6D



B5003B

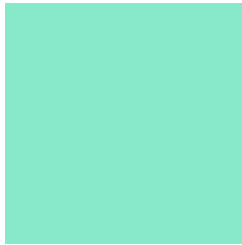


360011



# Previews

## White Background



This preview shows how the Hex color 87E9C9 looks on a white background.

## Color Contrast Check

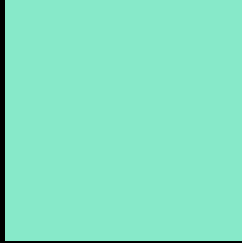
Large Text (above 18pt) WCAG AA × Fail

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 87E9C9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

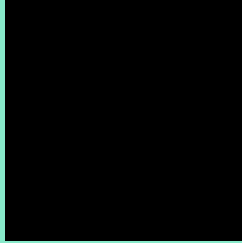
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 87E9C9 Background



This preview shows how black text looks on a background with the Hex color 87E9C9.

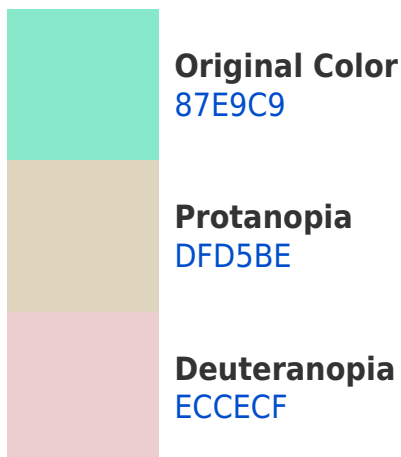


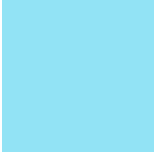
This preview shows how white text looks on a background with the Hex color 87E9C9.

# 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



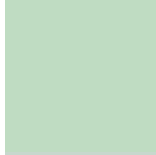


**Tritanopia**  
92E3F5

# Trichromacy



**Original Color**  
87E9C9



**Protanomaly**  
BFDCC2



**Deuteranomaly**  
C7D8CD

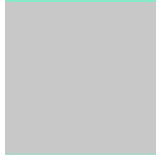


**Tritanomaly**  
8EE5E5

# Monochromacy



**Original Color**  
87E9C9



**Achromatopsia**  
C8C8C8



**Achromatomaly**  
B0D4C8

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87E9C9 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 #87E9C9 looks like.

```
.text, #text, p{  
    color:#87E9C9  
}
```

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 #87E9C9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87E9C9
}
```

## Border

The CSS property to change the border of an element to Hex 87E9C9 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
#87E9C9 }
```

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

```
.border{ border-color:#87E9C9 }
```

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

Here you see how a box with a 4 pixel #87E9C9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87E9C9; -webkit-box-shadow:4px 4px  
4px 4px #87E9C9; box-shadow:4px 4px 4px  
4px #87E9C9 }
```

# Background

The CSS property to change the background color of an element to Hex 87E9C9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87E9C9 }
```

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

```
.background{ background-color:#87E9C9 }
```

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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