

# Converting Colors

Hex(87CE9E)

Have a look what the booklet for  
Hex(87CE9E) contains.

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# **Color**

**Hex(87CE9E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87CE9E
RGB	135, 206, 158
RGB Percent	53%, 81%, 62%
CMY	0.4706, 0.1922, 0.3804
CMYK	0.34, 0.00, 0.23, 0.19
HSL	139°, 42%, 67%
HSV	139°, 34%, 81%
XYZ	38.2345, 51.7621, 40.3237
YIQ	179.2990, -26.9080, -29.9800

# Conversions

## Conversions Part 2

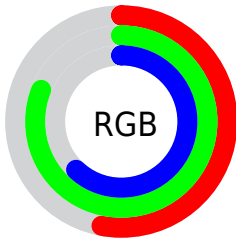
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 189, 206</a>
Decimal	<a href="#">8900254</a>
CIELab	<a href="#">77.14, -32.36, 16.96</a>
CIELCh	<a href="#">77, 36.534, 152.343</a>
Yxy	<a href="#">51.7621, 0.2934, 0.3972</a>
Android (android.graphics.Color)	<a href="#">4287090334 (0xFF87CE9E)</a>
YUV	<a href="#">179.2990, -10.5004, -38.8502</a>
Hunter-Lab	<a href="#">71.9459, -31.0443, 17.1317</a>

# Details

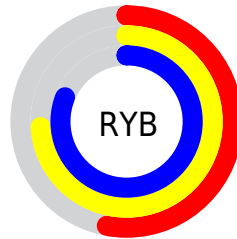
The Hex color **87CE9E** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **CE87B7**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **BEFFD5**, and **52976A** is the 20% darker color. If you saturate the color by 10%, you get **72CE90**, and if you desaturate by 10%, it is **9CCEAC**.

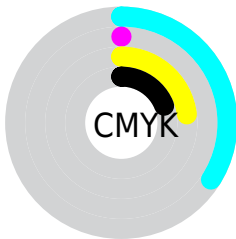
# Distribution



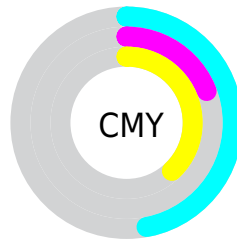
- Red (53%)
- Green (81%)
- Blue (62%)



- Red (53%)
- Yellow (74%)
- Blue (81%)



- Cyan (34%)
- Magenta (0%)
- Yellow (23%)
- Black (19%)



- Cyan (47%)
- Magenta (19%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87CE9E 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 87CE9E by changing the saturation by 10% instead.



 87CE9E

 87CE9E

FFFFFF

 6CB284

 BEFFD5

 52976A

 DBFFF1

 387D52

 F8FFFF

 1C643B

 004B25

 003410

 002100

 000000

 87CE9E

 87CE9E

 72CE90

 9CCEAC

 5ECE82

 B0CEBA

 49CE74

 C5CEC8

 35CE66

 D9CED6

 20CE58

 EECEE4

 0BCE4A

 FFCEF2

 00CE43

 FFCEFF

# Harmonies

## Analogous

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



AFC784



87CE9E



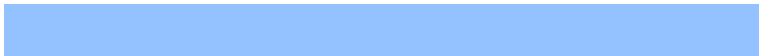
5ED1C0

# Triad

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



87CE9E



94C1FF



FFA89C

# Complementary

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



87CE9E



CE87B7

# 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.



FFA5BD



87CE9E



C6B5F8

# Square

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



87CE9E



60CAFA



ECAADE



EFB283

# Rectangle

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



87CE9E



4AD1D7



ECAADE



FFA6A6



# Sweetspot

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



87CE9E



E6FFEE



B8CE87



708075



000000



808080

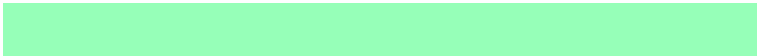


# Same Dimension

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



87CE9E



96FFB8



87CEC1



5C665F



00A636



00260C



# Inverse Universe

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



CE87B7



FF96DD



CE8794



665C63



A60070

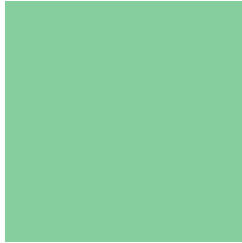


26001A



# Previews

## White Background



This preview shows how the Hex color 87CE9E looks on a white background.

## Color Contrast Check

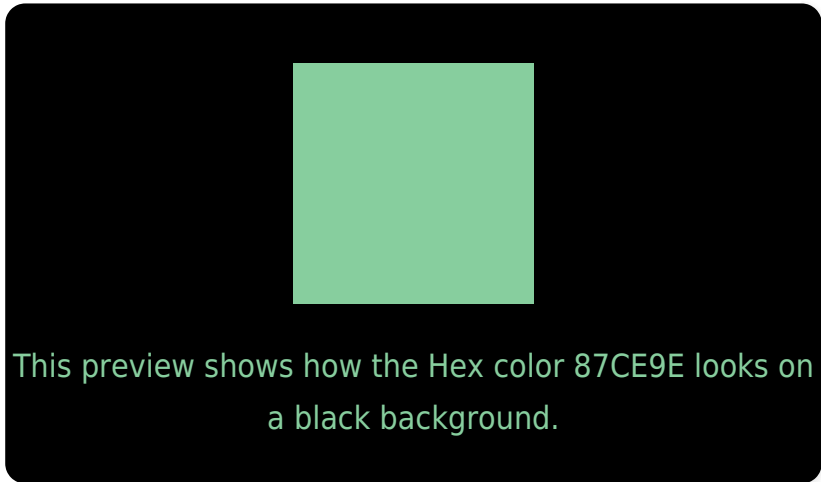
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

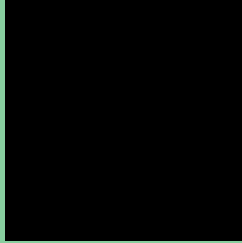
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 87CE9E Background



This preview shows how black text looks on a background with the Hex color 87CE9E.

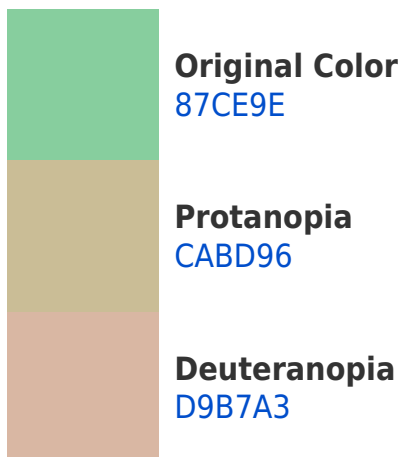


This preview shows how white text looks on a background with the Hex color 87CE9E.

# 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



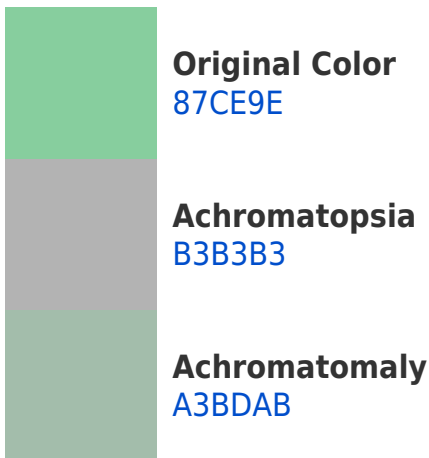


**Tritanopia**  
93C6D6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87CE9E 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 #87CE9E looks like.

```
.text, #text, p{  
    color:#87CE9E  
}
```

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 #87CE9E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87CE9E
}
```

## Border

The CSS property to change the border of an element to Hex 87CE9E 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
#87CE9E }
```

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

```
.border{ border-color:#87CE9E }
```

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

Here you see how a box with a 4 pixel #87CE9E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87CE9E; -webkit-box-shadow:4px 4px  
4px 4px #87CE9E; box-shadow:4px 4px 4px  
4px #87CE9E }
```

# Background

The CSS property to change the background color of an element to Hex 87CE9E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87CE9E }
```

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

```
.background{ background-color:#87CE9E }
```

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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