

# Converting Colors

Hex(87EA9E)

Have a look what the booklet for  
Hex(87EA9E) contains.

<b>Hex(87EA9E)</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(87EA9E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87EA9E
RGB	135, 234, 158
RGB Percent	53%, 92%, 62%
CMY	0.4706, 0.0824, 0.3804
CMYK	0.42, 0.00, 0.32, 0.08
HSL	134°, 70%, 72%
HSV	134°, 42%, 92%
XYZ	45.5860, 66.4652, 42.7742
YIQ	195.7350, -34.6080, -44.6240

# Conversions

## Conversions Part 2

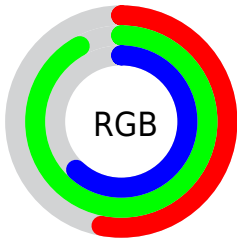
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 215, 234
Decimal	8907422
CIELab	85.23, -44.97, 28.06
CIELCh	85, 53.005, 148.033
Yxy	66.4652, 0.2944, 0.4293
Android (android.graphics.Color)	4287097502 (0xFF87EA9E)
YUV	195.7350, -18.6034, -53.2646
Hunter-Lab	81.5262, -42.8610, 25.9607

# Details

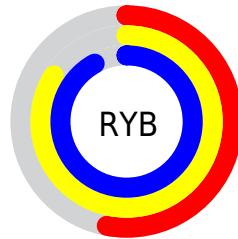
The Hex color **87EA9E** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **EA87D3**, and the grayscale version is **C4C4C4**.

A 20% lighter version of the original color is **C0FFD5**, and **4EB26A** is the 20% darker color. If you saturate the color by 10%, you get **70EA8C**, and if you desaturate by 10%, it is **9EEAB0**.

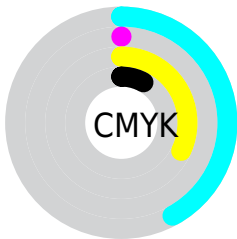
# Distribution



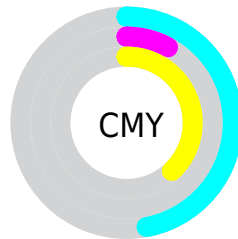
- Red (53%)
- Green (92%)
- Blue (62%)



- Red (53%)
- Yellow (84%)
- Blue (92%)



- Cyan (42%)
- Magenta (0%)
- Yellow (32%)
- Black (8%)



- Cyan (47%)
- Magenta (8%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87EA9E 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 87EA9E by changing the saturation by 10% instead.



 87EA9E

 87EA9E

FFFFFF

 6BCD84

 C0FFD5

 4EB26A

 DDFFF2

 309651

 FBFFFF

 037C39

 006222

 00490B

 003200

 001B00

 000000

 87EA9E

 87EA9E

 70EA8C

 9EEAB0

 58EA7A

 B6EAC2

 41EA68

 CDEAD4

 29EA56

 E5EAE6

 12EA44

 FCEAF8

 00EA36

 FFEAFF

# Harmonies

## Analogous

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



C4E07A



87EA9E



23EFD0

# Triad

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



87EA9E



7CDBFF



FFB0A8

# Complementary

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



87EA9E



EA87D3

# 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.



FFACDA



87EA9E



D4C9FF

# Square

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



87EA9E



00E8FF



FFB7FF



FFBF81

# Rectangle

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



87EA9E



00EFF2



FFB7FF



FFADB8

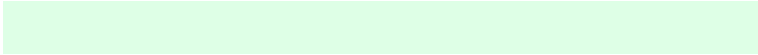


# Sweetspot

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



87EA9E



DEFFE6



D5EA87



6B8070



000000



808080

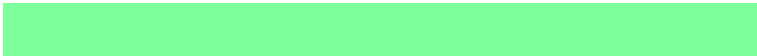


# Same Dimension

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



87EA9E



7DFF9B



87EACE



6A756C



00B52A



00360C



# Inverse Universe

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



EA87D3



FF7DE1



EA87A3



756A73



B5008B

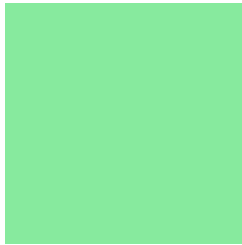


360029



# Previews

## White Background



This preview shows how the Hex color 87EA9E looks on a white background.

## Color Contrast Check

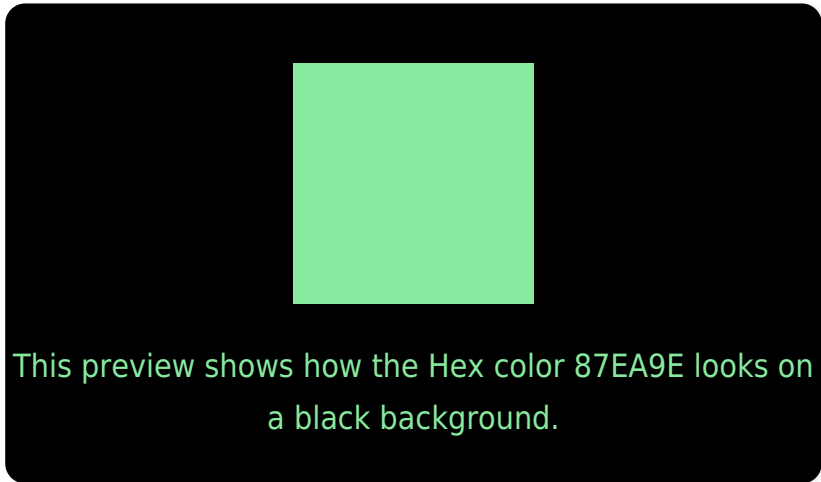
Large Text (above 18pt) WCAG AA × Fail

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 87EA9E Background



This preview shows how black text looks on a background with the Hex color 87EA9E.

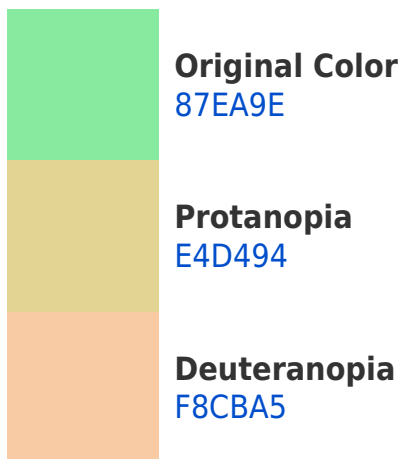


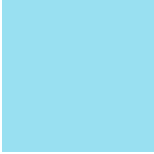
This preview shows how white text looks on a background with the Hex color 87EA9E.

# 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**  
99E0F1

# Trichromacy



**Original Color**  
87EA9E



**Protanomaly**  
C2DC98



**Deuteranomaly**  
CFD6A2

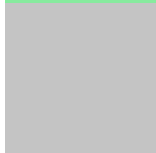


**Tritanomaly**  
92E4D3

# Monochromacy



**Original Color**  
87EA9E



**Achromatopsia**  
C4C4C4



**Achromatomaly**  
AED2B6

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87EA9E 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 #87EA9E looks like.

```
.text, #text, p{  
    color:#87EA9E  
}
```

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 #87EA9E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87EA9E
}
```

## Border

The CSS property to change the border of an element to Hex 87EA9E 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
#87EA9E }
```

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

```
.border{ border-color:#87EA9E }
```

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

Here you see how a box with a 4 pixel #87EA9E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87EA9E; -webkit-box-shadow:4px 4px  
4px 4px #87EA9E; box-shadow:4px 4px 4px  
4px #87EA9E }
```

# Background

The CSS property to change the background color of an element to Hex 87EA9E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87EA9E }
```

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

```
.background{ background-color:#87EA9E }
```

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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