

# Converting Colors

Hex(87E186)

Have a look what the booklet for  
Hex(87E186) contains.

<b>Hex(87E186)</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(87E186)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87E186
RGB	135, 225, 134
RGB Percent	53%, 88%, 53%
CMY	0.4706, 0.1176, 0.4745
CMYK	0.40, 0.00, 0.40, 0.12
HSL	119°, 60%, 70%
HSV	119°, 40%, 88%
XYZ	41.2200, 60.7226, 32.1024
YIQ	187.7160, -24.4290, -47.3810

# Conversions

## Conversions Part 2

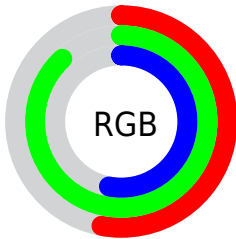
<b>Format</b>	<b>Color</b>
<b>RYB</b>	134, 225, 224
Decimal	8905094
CIELab	82.23, -44.94, 36.25
CIElCh	82, 57.734, 141.109
Yxy	60.7226, 0.3075, 0.4530
Android (android.graphics.Color)	4287095174 (0xFF87E186)
YUV	187.7160, -26.4820, -46.2319
Hunter-Lab	77.9247, -41.9467, 30.1218

# Details

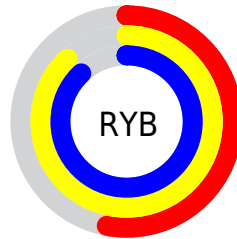
The Hex color **87E186** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **E086E1**, and the grayscale version is **BCBCBC**.

A 20% lighter version of the original color is **C0FFBC**, and **4FA953** is the 20% darker color. If you saturate the color by 10%, you get **71E170**, and if you desaturate by 10%, it is **9DE19D**.

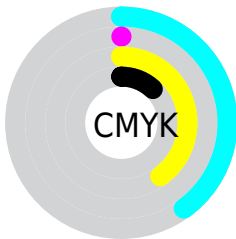
# Distribution



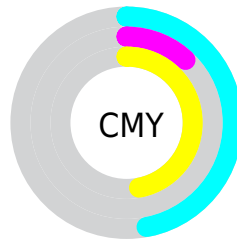
- Red (53%)
- Green (88%)
- Blue (53%)



- Red (53%)
- Yellow (88%)
- Blue (88%)



- Cyan (40%)
- Magenta (0%)
- Yellow (40%)
- Black (12%)



- Cyan (47%)
- Magenta (12%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87E186 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 87E186 by changing the saturation by 10% instead.



 87E186

 87E186

FFFFFF

 6BC56C

 C0FFBC

 4FA953

 DDFFD8

 328E3A

 FAFFF5

 0B7422

 005B07

 004200

 002C00

 000F00

 000000

 87E186

 87E186

 71E170

 9DE19D

 5AE159

 B4E1B3

 44E143

 CAE1CA

 2EE12C

 E0E1E0

 18E116

 F6E1F7

 02E100

 FFE1FF

# Harmonies

## Analogous

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



C7D563



87E186



00E7BA

# Triad

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



87E186



33D7FF



FFA1A8

# Complementary

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



87E186



E086E1

# 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.



FFA1DF



87E186



B7C5FF

# Square

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



87E186



00E3FF



FFAFFF



FFB07A

# Rectangle

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



87E186



00E8E0



FFAFFF



FF9FBA

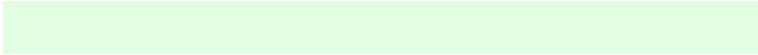


# Sweetspot

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



87E186



E1FFE0



E1DF86



6E806E



000000



808080



# Same Dimension

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



87E186



83FF82



86E1B2



657065



02B000



013000



# Inverse Universe

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



E086E1



FE82FF



E186B5



706570



AE00B0

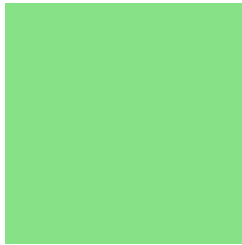


300030



# Previews

## White Background



This preview shows how the Hex color 87E186 looks on a white background.

## Color Contrast Check

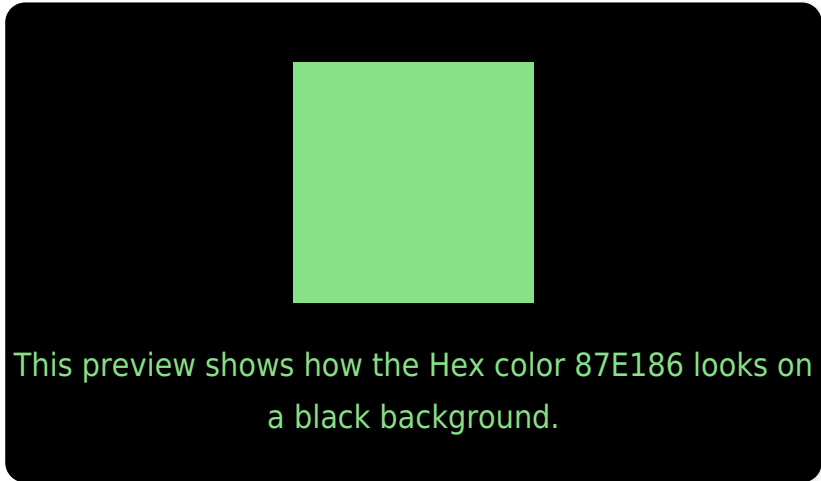
Large Text (above 18pt) WCAG AA × Fail

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

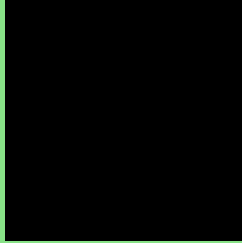
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 87E186 Background



This preview shows how black text looks on a background with the Hex color 87E186.

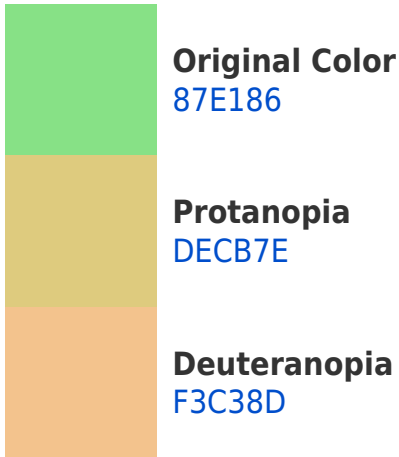


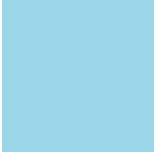
This preview shows how white text looks on a background with the Hex color 87E186.

# 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



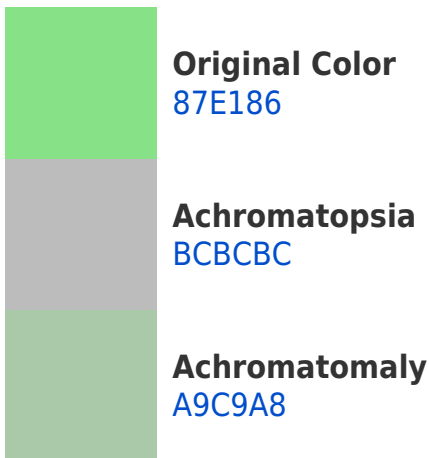


**Tritanopia**  
9AD6E7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87E186 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 #87E186 looks like.

```
.text, #text, p{  
    color:#87E186  
}
```

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 #87E186 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87E186
}
```

## Border

The CSS property to change the border of an element to Hex 87E186 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
#87E186 }
```

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

```
.border{ border-color:#87E186 }
```

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

Here you see how a box with a 4 pixel #87E186 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87E186; -webkit-box-shadow:4px 4px  
4px 4px #87E186; box-shadow:4px 4px 4px  
4px #87E186 }
```

# Background

The CSS property to change the background color of an element to Hex 87E186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87E186 }
```

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

```
.background{ background-color:#87E186 }
```

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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