

# Converting Colors

Hex(83E97C)

Have a look what the booklet for  
Hex(83E97C) contains.

<b>Hex(83E97C)</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(83E97C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83E97C
RGB	131, 233, 124
RGB Percent	51%, 91%, 49%
CMY	0.4863, 0.0863, 0.5137
CMYK	0.44, 0.00, 0.47, 0.09
HSL	116°, 71%, 70%
HSV	116°, 47%, 91%
XYZ	42.1371, 64.5584, 29.3089
YIQ	190.0760, -25.8030, -55.5230

# Conversions

## Conversions Part 2

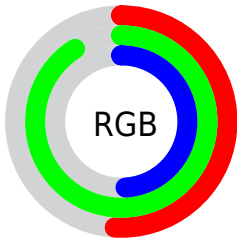
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">124, 233, 226</a>
Decimal	<a href="#">8644988</a>
CIELab	<a href="#">84.26, -50.88, 43.72</a>
CIELCh	<a href="#">84, 67.087, 139.331</a>
Yxy	<a href="#">64.5584, 0.3098, 0.4747</a>
Android (android.graphics.Color)	<a href="#">4286835068 (0xFF83E97C)</a>
YUV	<a href="#">190.0760, -32.5755, -51.8097</a>
Hunter-Lab	<a href="#">80.3482, -46.9985, 34.6163</a>

# Details

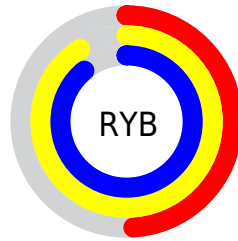
The Hex color **83E97C** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **E27CE9**, and the grayscale version is **BEBEBE**.

A 20% lighter version of the original color is **BDFFB2**, and **49B048** is the 20% darker color. If you saturate the color by 10%, you get **6DE965**, and if you desaturate by 10%, it is **99E993**.

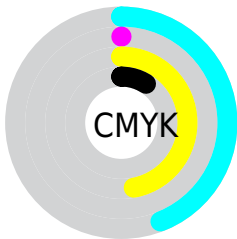
# Distribution



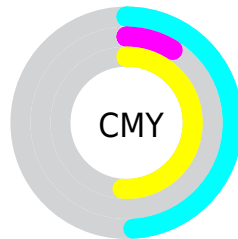
- Red (51%)
- Green (91%)
- Blue (49%)



- Red (49%)
- Yellow (91%)
- Blue (89%)



- Cyan (44%)
- Magenta (0%)
- Yellow (47%)
- Black (9%)



- Cyan (49%)
- Magenta (9%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83E97C 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 83E97C by changing the saturation by 10% instead.



 83E97C

FFFFFF

 BDFFB2

 DAFFCE

 F8FFEB

 83E97C

 66CC62

 49B048

 28952F

 007B13

 006100

 004800

 003100

 001700

 000000

 83E97C

 83E97C

 6DE965

 99E993

 57E94D

 AFE9AB

 42E936

 C4E9C2

 2CE91F

 DAE9D9

 16E908

 F0E9F1

 0FE900

 FFE9FF

# Harmonies

## Analogous

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



CEDB53



83E97C



00F0B9

# Triad

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



83E97C



00E0FF



FF9CAC

# Complementary

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



83E97C



E27CE9

# 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.



FF9DEC



83E97C



AECBFF

# Square

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



83E97C



00ECFF



FFB1FF



FFAF74

# Rectangle

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



83E97C



00F2E5



FFB1FF



FF9AC1

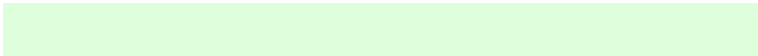


# Sweetspot

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



83E97C



DEFFDB



E9E27C



6B806A



000000



808080



# Same Dimension

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



83E97C



79FF70



7CE9AB



6A756A



0CB500



033600



# Inverse Universe

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



E27CE9



F670FF



E97CBA



756A75



A900B5



320036



# Previews

## White Background



This preview shows how the Hex color 83E97C looks on a white background.

## Color Contrast Check

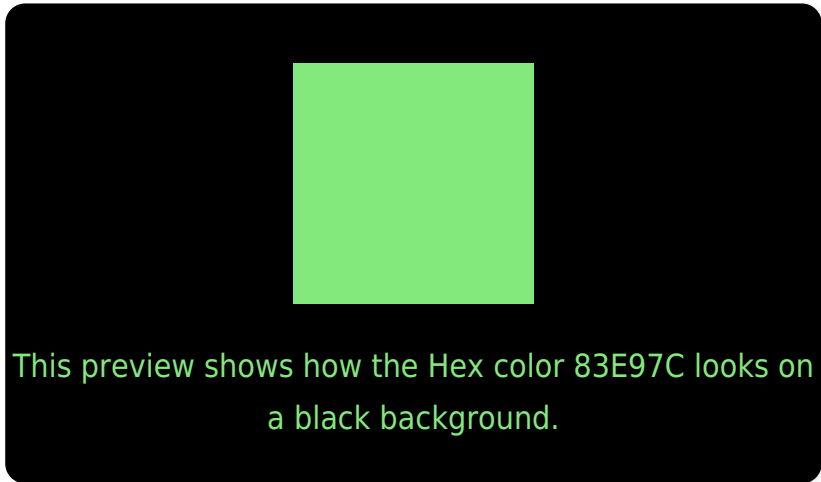
Large Text (above 18pt) WCAG AA × Fail

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

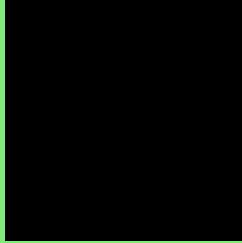
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 83E97C Background



This preview shows how black text looks on a background with the Hex color 83E97C.

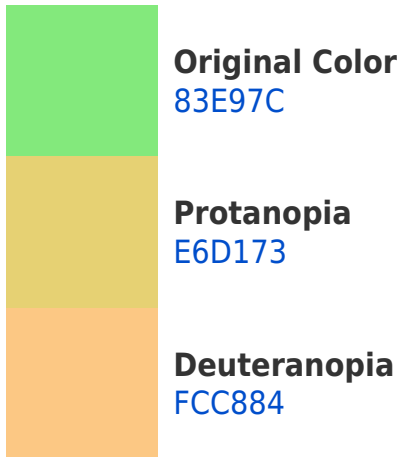


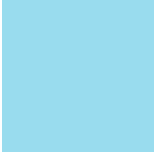
This preview shows how white text looks on a background with the Hex color 83E97C.

# 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](#).

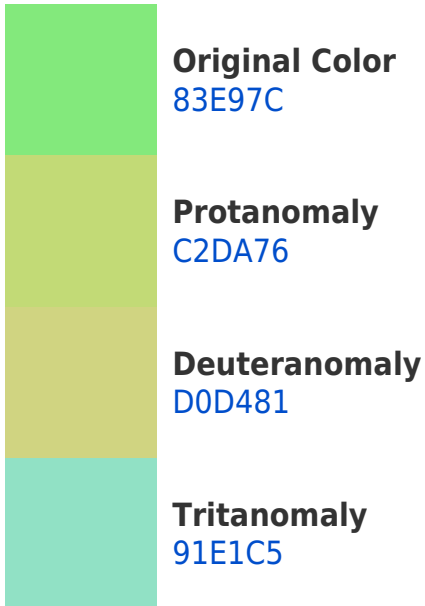
## Dichromacy



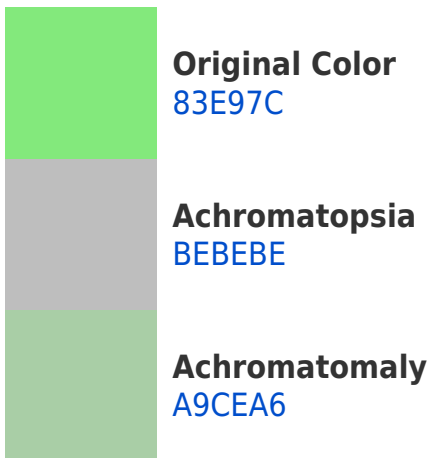


**Tritanopia**  
99DCEE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83E97C 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 #83E97C looks like.

```
.text, #text, p{  
    color:#83E97C  
}
```

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 #83E97C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83E97C
}
```

## Border

The CSS property to change the border of an element to Hex 83E97C 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
#83E97C }
```

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

```
.border{ border-color:#83E97C }
```

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

Here you see how a box with a 4 pixel #83E97C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83E97C; -webkit-box-shadow:4px 4px  
4px 4px #83E97C; box-shadow:4px 4px 4px  
4px #83E97C }
```

# Background

The CSS property to change the background color of an element to Hex 83E97C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83E97C }
```

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

```
.background{ background-color:#83E97C }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor