

# Converting Colors

Hex(83F0AE)

Have a look what the booklet for  
Hex(83F0AE) contains.

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**Color**

**Hex(83F0AE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83F0AE
RGB	131, 240, 174
RGB Percent	51%, 94%, 68%
CMY	0.4863, 0.0588, 0.3176
CMYK	0.45, 0.00, 0.27, 0.06
HSL	144°, 78%, 73%
HSV	144°, 45%, 94%
XYZ	48.1601, 70.2015, 51.0563
YIQ	199.8850, -43.7780, -43.6340

# Conversions

## Conversions Part 2

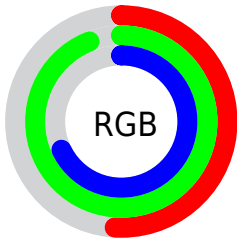
Format	Color
<a href="#">RYB</a>	<a href="#">131, 209, 240</a>
Decimal	<a href="#">8646830</a>
CIELab	<a href="#">87.10, -45.76, 22.37</a>
CIELCh	<a href="#">87, 50.939, 153.948</a>
Yxy	<a href="#">70.2015, 0.2843, 0.4144</a>
Android (android.graphics.Color)	<a href="#">4286836910 (0xFF83F0AE)</a>
YUV	<a href="#">199.8850, -12.7613, -60.4121</a>
Hunter-Lab	<a href="#">83.7863, -44.0247, 22.5212</a>

# Details

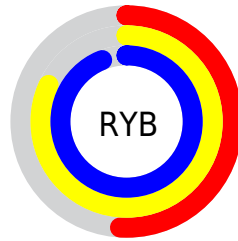
The Hex color **83F0AE** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **F083C5**, and the grayscale version is **C8C8C8**.

A 20% lighter version of the original color is **BDFFE6**, and **49B779** is the 20% darker color. If you saturate the color by 10%, you get **6BF09F**, and if you desaturate by 10%, it is **9BF0BD**.

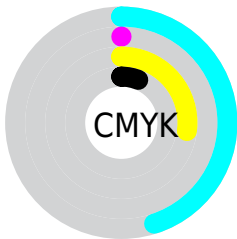
# Distribution



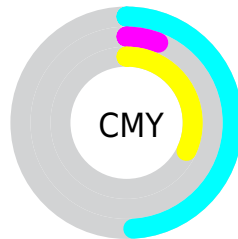
- Red (51%)
- Green (94%)
- Blue (68%)



- Red (51%)
- Yellow (82%)
- Blue (94%)



- Cyan (45%)
- Magenta (0%)
- Yellow (27%)
- Black (6%)



- Cyan (49%)
- Magenta (6%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83F0AE 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 83F0AE by changing the saturation by 10% instead.



 83F0AE

 83F0AE

FFFFFF

 66D393

 BDFFE6

 49B779

 DAFFFF

 289C60

 F8FFFF

 008148

 006731

 004E1B

 003603

 002000

 000000

 83F0AE

 83F0AE

 6BF09F

 9BF0BD

 53F091

 B3F0CB

 3BF082

 CBF0DA

 23F074

 E3F0E8

 0BF065

 FBF0F7

 00F05F

 FFF0FF

# Harmonies

## Analogous

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



C0E788



83F0AE



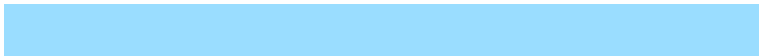
25F4DF

# Triad

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



83F0AE



9ADDF



FFB9A7

# Complementary

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



83F0AE



F083C5

# 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.



FFB3D6



83F0AE



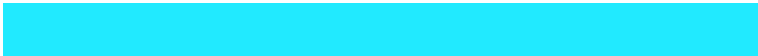
E7CBFF

# Square

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



83F0AE



21EAFF



FFBBFF



FFC884

# Rectangle

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



83F0AE



00F3FF



FFBBFF



FFB6B5

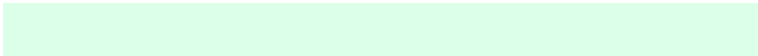


# Sweetspot

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



83F0AE



DBFFE9



C6F083



6A8072



000000



808080



# Same Dimension

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



83F0AE



73FFAA



83F0E3



6C7871



00B848



003816



# Inverse Universe

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



F083C5



FF73C8



F08390



786C73



B8006F

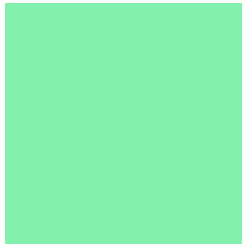


380022



# Previews

## White Background



This preview shows how the Hex color 83F0AE looks on a white background.

## Color Contrast Check

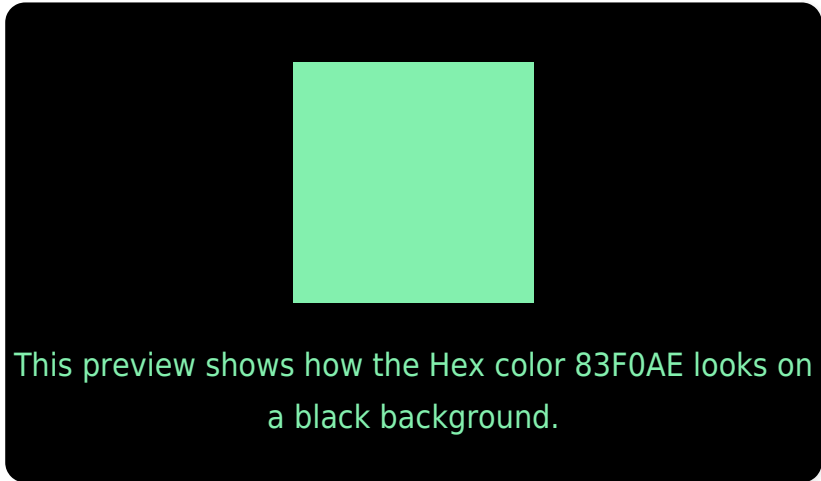
Large Text (above 18pt) WCAG AA × Fail

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

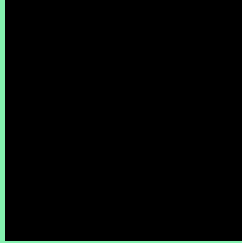
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 83F0AE Background



This preview shows how black text looks on a background with the Hex color 83F0AE.

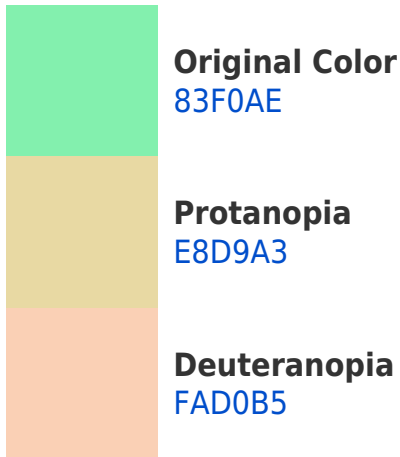


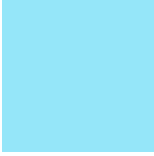
This preview shows how white text looks on a background with the Hex color 83F0AE.

# 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



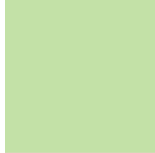


**Tritanopia**  
95E6F9

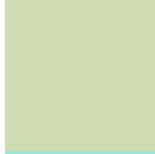
# Trichromacy



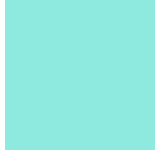
**Original Color**  
83F0AE



**Protanomaly**  
C3E1A7



**Deuteranomaly**  
CFDCB2

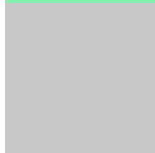


**Tritanomaly**  
8EEADE

# Monochromacy



**Original Color**  
83F0AE



**Achromatopsia**  
C8C8C8



**Achromatomaly**  
AFD7BF

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83F0AE 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 #83F0AE looks like.

```
.text, #text, p{  
    color:#83F0AE  
}
```

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 #83F0AE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83F0AE
}
```

## Border

The CSS property to change the border of an element to Hex 83F0AE 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
#83F0AE }
```

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

```
.border{ border-color:#83F0AE }
```

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

Here you see how a box with a 4 pixel #83F0AE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83F0AE; -webkit-box-shadow:4px 4px  
4px 4px #83F0AE; box-shadow:4px 4px 4px  
4px #83F0AE }
```

# Background

The CSS property to change the background color of an element to Hex 83F0AE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83F0AE }
```

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

```
.background{ background-color:#83F0AE }
```

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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