

# Converting Colors

Hex(85E6BF)

Have a look what the booklet for  
Hex(85E6BF) contains.

<b>Hex(85E6BF)</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(85E6BF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	85E6BF
RGB	133, 230, 191
RGB Percent	52%, 90%, 75%
CMY	0.4784, 0.0980, 0.2510
CMYK	0.42, 0.00, 0.17, 0.10
HSL	156°, 66%, 71%
HSV	156°, 42%, 90%
XYZ	47.3737, 65.3418, 59.4056
YIQ	196.5510, -45.2930, -32.6930

# Conversions

## Conversions Part 2

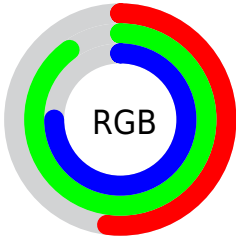
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 194, 230
Decimal	8775359
CIELab	84.66, -37.44, 10.13
CIELCh	85, 38.790, 164.868
Yxy	65.3418, 0.2752, 0.3796
Android (android.graphics.Color)	4286965439 (0xFF85E6BF)
YUV	196.5510, -2.7366, -55.7342
Hunter-Lab	80.8343, -36.8484, 13.0114

# Details

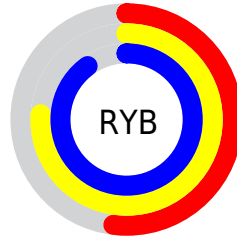
The Hex color **85E6BF** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **E685AC**, and the grayscale version is **C5C5C5**.

A 20% lighter version of the original color is **BEFFF7**, and **4DAE8A** is the 20% darker color. If you saturate the color by 10%, you get **6EE6B6**, and if you desaturate by 10%, it is **9CE6C8**.

# Distribution



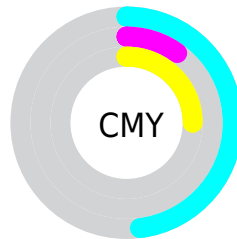
- Red (52%)
- Green (90%)
- Blue (75%)



- Red (52%)
- Yellow (76%)
- Blue (90%)



- Cyan (42%)
- Magenta (0%)
- Yellow (17%)
- Black (10%)



- Cyan (48%)
- Magenta (10%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 85E6BF 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 85E6BF by changing the saturation by 10% instead.



 85E6BF

FFFFFF

 BEFFF7

 DBFFFF

 F9FFFF

 85E6BF

 69CAA4

 4DAE8A

 2E9370

 007958

 005F40

 00472A

 002F16

 001900

 000000

 85E6BF

 85E6BF

 6EE6B6

 9CE6C8

 57E6AD

 B3E6D1

 40E6A3

 CAE6DB

 29E69A

 E1E6E4

 12E691

 F8E6ED

 00E68A

 FFE6F6

 FFE6FF

# Harmonies

## Analogous

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



B1E09E



85E6BF



5EE7E5

# Triad

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



85E6BF



BED1FF



FFBFA1

# Complementary

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



85E6BF



E685AC

# 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.



FFB8C2



85E6BF



EFC3FF

# Square

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



85E6BF



85DCFF



FFBAE7



FDCB8D

# Rectangle

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



85E6BF



54E6FC



FFBAE7



FFBCAB

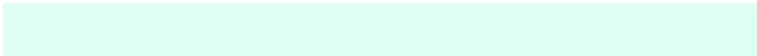


# Sweetspot

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



85E6BF



DEFFF2



ADE685



6B8077



000000



808080



# Same Dimension

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



85E6BF



7DFFCB



85DEE6



67736E



00B36B



00331E



# Inverse Universe

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



E685AC



FF7DB1



E68D85



73676C



B30048

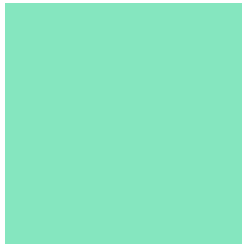


330015



# Previews

## White Background



This preview shows how the Hex color 85E6BF 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

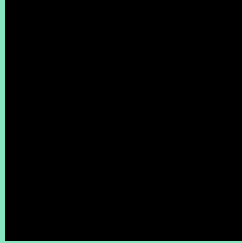
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

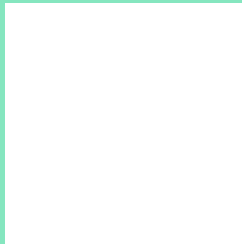
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 85E6BF Background



This preview shows how black text looks on a background with the Hex color 85E6BF.

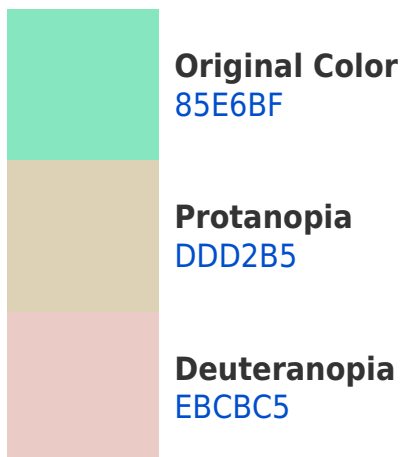


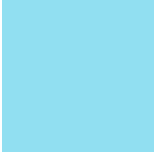
This preview shows how white text looks on a background with the Hex color 85E6BF.

# 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**  
91DFF1

# Trichromacy



**Original Color**  
85E6BF



**Protanomaly**  
BDD9B9



**Deuteranomaly**  
C6D5C3

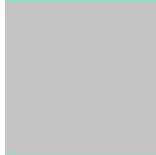


**Tritanomaly**  
8DE2DF

# Monochromacy



**Original Color**  
85E6BF



**Achromatopsia**  
C5C5C5



**Achromatomaly**  
AED1C3

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 85E6BF 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 #85E6BF looks like.

```
.text, #text, p{  
    color:#85E6BF  
}
```

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 #85E6BF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #85E6BF
}
```

## Border

The CSS property to change the border of an element to Hex 85E6BF 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
#85E6BF }
```

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

```
.border{ border-color:#85E6BF }
```

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

Here you see how a box with a 4 pixel #85E6BF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #85E6BF; -webkit-box-shadow:4px 4px  
4px 4px #85E6BF; box-shadow:4px 4px 4px  
4px #85E6BF }
```

# Background

The CSS property to change the background color of an element to Hex 85E6BF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#85E6BF }
```

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

```
.background{ background-color:#85E6BF }
```

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