

# Converting Colors

Hex(81CD8E)

Have a look what the booklet for  
Hex(81CD8E) contains.

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# **Color**

**Hex(81CD8E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81CD8E
RGB	129, 205, 142
RGB Percent	51%, 80%, 56%
CMY	0.4941, 0.1961, 0.4431
CMYK	0.37, 0.00, 0.31, 0.20
HSL	130°, 43%, 65%
HSV	130°, 37%, 80%
XYZ	35.7671, 50.2828, 33.4116
YIQ	175.0940, -25.0730, -35.7050

# Conversions

## Conversions Part 2

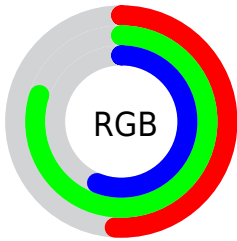
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">129, 194, 205</a>
Decimal	<a href="#">8506766</a>
CIELab	<a href="#">76.24, -36.62, 24.14</a>
CIELCh	<a href="#">76, 43.857, 146.604</a>
Yxy	<a href="#">50.2828, 0.2994, 0.4209</a>
Android (android.graphics.Color)	<a href="#">4286696846 (0xFF81CD8E)</a>
YUV	<a href="#">175.0940, -16.3153, -40.4244</a>
Hunter-Lab	<a href="#">70.9103, -34.0580, 21.7009</a>

# Details

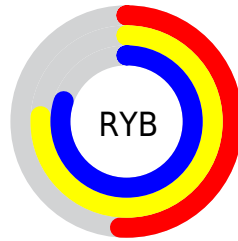
The Hex color **81CD8E** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **CD81C0**, and the grayscale version is **AFAFAF**.

A 20% lighter version of the original color is **B8FFC4**, and **4B965B** is the 20% darker color. If you saturate the color by 10%, you get **6DCD7D**, and if you desaturate by 10%, it is **96CD9F**.

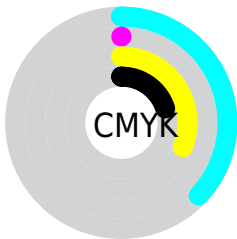
# Distribution



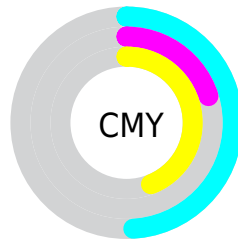
- Red (51%)
- Green (80%)
- Blue (56%)



- Red (51%)
- Yellow (76%)
- Blue (80%)



- Cyan (37%)
- Magenta (0%)
- Yellow (31%)
- Black (20%)



- Cyan (49%)
- Magenta (20%)
- Yellow (44%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 81CD8E 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 81CD8E by changing the saturation by 10% instead.



 81CD8E

 81CD8E

FFFFFF

 66B174

 B8FFC4

 4B965B

 D5FFE0

 307C43

 F2FFFD

 10632C


 004A16

 003200

 001E00

 000000

 81CD8E

 81CD8E

 6DCD7D

 96CD9F

 58CD6C

 AACDB0

 44CD5B

 BFCDC1

 2FCD4A

 D3CDD2

 1BCD39

 E8CDE3

 06CD28

 FCCDF4

 00CD23

 FFCDF4

# Harmonies

## Analogous

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



B1C472



81CD8E



44D1B6

# Triad

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



81CD8E



75C1FF



FF9F9A

# Complementary

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



81CD8E



CD81C0

# 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.



FF9CC2



81CD8E



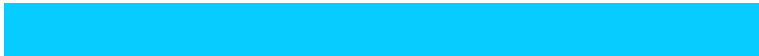
B9B3FF

# Square

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



81CD8E



07CCFF



EBA5E9



F9AA7A

# Rectangle

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



81CD8E



00D1D2



EBA5E9



FF9DA7

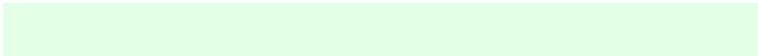


# Sweetspot

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



81CD8E



E3FFE8



C0CD81



6F8072



000000



808080



# Same Dimension

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



81CD8E



8FFFA2



81CDB4



5C665E



00A61C



002607



# Inverse Universe

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



CD81C0



FF8FEC



CD819A



665C64



A60089



260020



# Previews

## White Background



This preview shows how the Hex color 81CD8E looks on a white background.

## Color Contrast Check

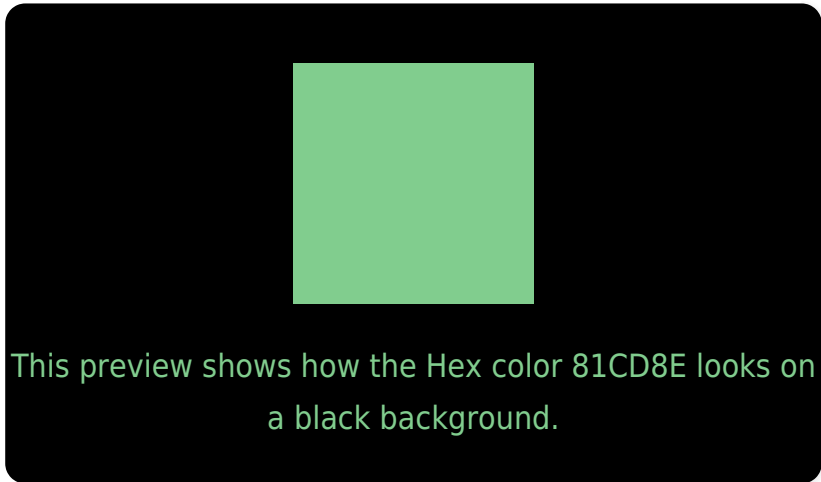
Large Text (above 18pt) WCAG AA × Fail

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

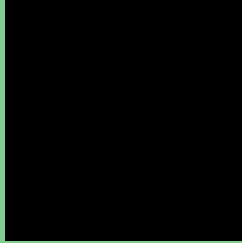
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 81CD8E Background



This preview shows how black text looks on a background with the Hex color 81CD8E.

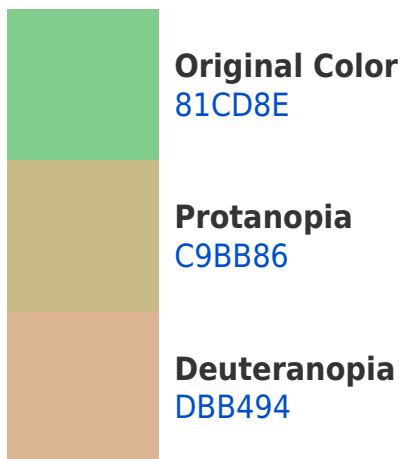


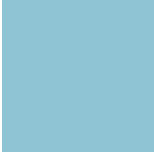
This preview shows how white text looks on a background with the Hex color 81CD8E.

# 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](#).

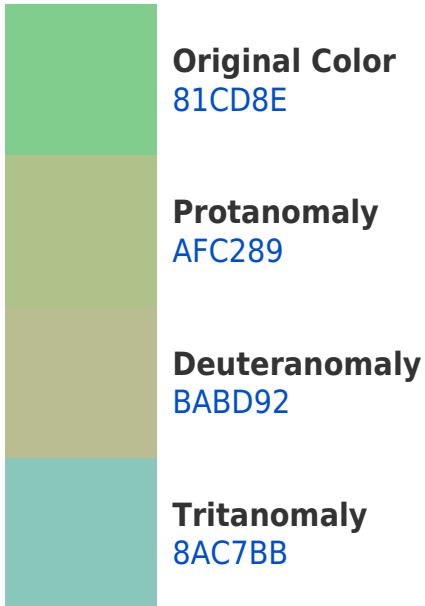
## Dichromacy



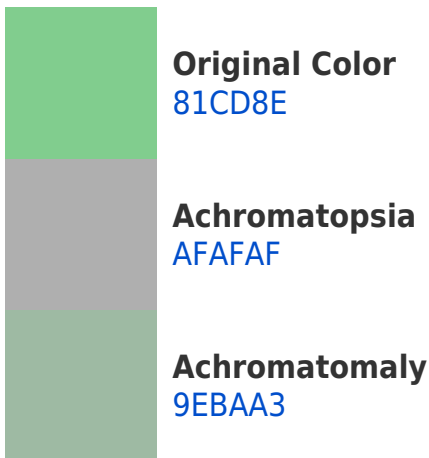


**Tritanopia**  
8FC4D4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81CD8E 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 #81CD8E looks like.

```
.text, #text, p{  
    color:#81CD8E  
}
```

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 #81CD8E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81CD8E
}
```

## Border

The CSS property to change the border of an element to Hex 81CD8E 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
#81CD8E }
```

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

```
.border{ border-color:#81CD8E }
```

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

Here you see how a box with a 4 pixel #81CD8E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81CD8E; -webkit-box-shadow:4px 4px  
4px 4px #81CD8E; box-shadow:4px 4px 4px  
4px #81CD8E }
```

# Background

The CSS property to change the background color of an element to Hex 81CD8E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81CD8E }
```

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

```
.background{ background-color:#81CD8E }
```

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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