

# Converting Colors

Hex(81C8B1)

Have a look what the booklet for  
Hex(81C8B1) contains.

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# **Color**

**Hex(81C8B1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81C8B1
RGB	129, 200, 177
RGB Percent	51%, 78%, 69%
CMY	0.4941, 0.2157, 0.3059
CMYK	0.36, 0.00, 0.12, 0.22
HSL	161°, 39%, 65%
HSV	161°, 36%, 78%
XYZ	37.6433, 49.1500, 49.0979
YIQ	176.1490, -34.9330, -22.2050

# Conversions

## Conversions Part 2

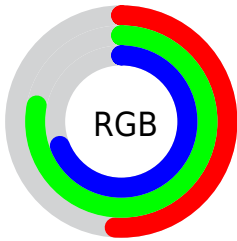
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 171, 200
Decimal	8505521
CIELab	75.54, -27.40, 4.47
CIELCh	76, 27.764, 170.738
Yxy	49.1500, 0.2770, 0.3617
Android (android.graphics.Color)	4286695601 (0xFF81C8B1)
YUV	176.1490, 0.4195, -41.3497
Hunter-Lab	70.1071, -26.8434, 7.5526

# Details

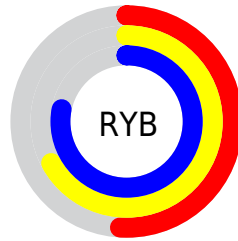
The Hex color **81C8B1** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **C88198**, and the grayscale version is **B0B0B0**.

A 20% lighter version of the original color is **B8FFE9**, and **4C927C** is the 20% darker color. If you saturate the color by 10%, you get **6DC8AB**, and if you desaturate by 10%, it is **95C8B7**.

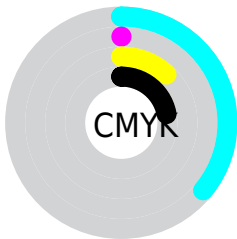
# Distribution



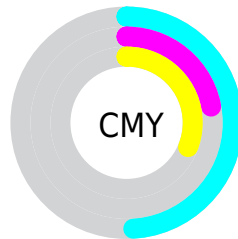
- Red (51%)
- Green (78%)
- Blue (69%)



- Red (51%)
- Yellow (67%)
- Blue (78%)



- Cyan (36%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)




- Cyan (49%)
- Magenta (22%)
- Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 81C8B1 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 81C8B1 by changing the saturation by 10% instead.



 81C8B1

 81C8B1

FFFFFF

 66AC96

 B8FFE9

 4C927C

 D5FFFF

 317864

 F2FFFF

 135F4C


 004735

 003020

 001C08

 000000

 81C8B1

 81C8B1

 6DC8AB

 95C8B7

 59C8A4

 A9C8BE

 45C89E

 BDC8C4

 31C897

 D1C8CB

 1DC891

 E5C8D1

 09C88A

 F9C8D8

 00C887

 FFC8DE

 FFC8E5

 FFC8EB

# Harmonies

## Analogous

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



9DC499



81C8B1



6FC8CB

# Triad

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



81C8B1



B3B6EA



E7AD94

# Complementary

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



81C8B1



C88198

# 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.



EEA8A9



81C8B1



D3AEDB

# Square

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



81C8B1



8FBFEC



E8A8C3



D4B688

# Rectangle

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



81C8B1



6FC7DB



E8A8C3



EBAB9A

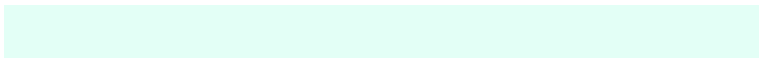


# Sweetspot

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



81C8B1



E3FFF6



99C881



6F807A



000000



808080

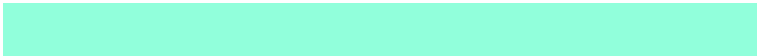


# Same Dimension

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



81C8B1



91FFDB



81BCC8



5A6360



00A36E



002418



# Inverse Universe

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



C88198



FF91B5



C88D81



635A5D



A30035



24000C



# Previews

## White Background



This preview shows how the Hex color 81C8B1 looks on a white background.

## Color Contrast Check

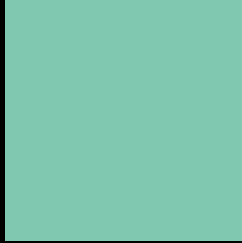
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 81C8B1 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

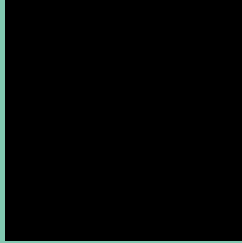
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

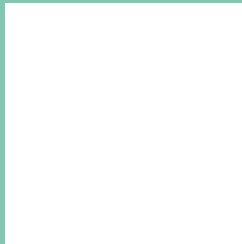
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 81C8B1 Background



This preview shows how black text looks on a background with the Hex color 81C8B1.

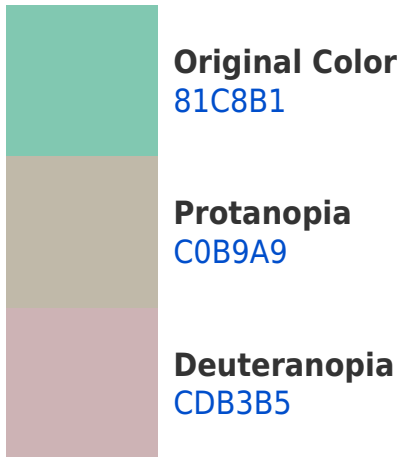


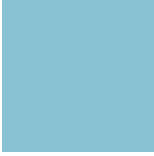
This preview shows how white text looks on a background with the Hex color 81C8B1.

# 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



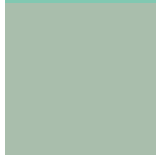


**Tritanopia**  
89C3D3

# Trichromacy



**Original Color**  
81C8B1



**Protanomaly**  
A9BEAC



**Deuteranomaly**  
B1BBB4



**Tritanomaly**  
86C5C7

# Monochromacy



**Original Color**  
81C8B1



**Achromatopsia**  
B0B0B0



**Achromatomaly**  
9FB9B0

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81C8B1 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 #81C8B1 looks like.

```
.text, #text, p{  
    color:#81C8B1  
}
```

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 #81C8B1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81C8B1
}
```

## Border

The CSS property to change the border of an element to Hex 81C8B1 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
#81C8B1 }
```

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

```
.border{ border-color:#81C8B1 }
```

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

Here you see how a box with a 4 pixel #81C8B1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81C8B1; -webkit-box-shadow:4px 4px  
4px 4px #81C8B1; box-shadow:4px 4px 4px  
4px #81C8B1 }
```

# Background

The CSS property to change the background color of an element to Hex 81C8B1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81C8B1 }
```

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

```
.background{ background-color:#81C8B1 }
```

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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