

# Converting Colors

Hex(81DEB3)

Have a look what the booklet for  
Hex(81DEB3) contains.

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**Color**

**Hex(81DEB3)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81DEB3
RGB	129, 222, 179
RGB Percent	51%, 87%, 70%
CMY	0.4941, 0.1294, 0.2980
CMYK	0.42, 0.00, 0.19, 0.13
HSL	152°, 58%, 69%
HSV	152°, 42%, 87%
XYZ	43.3112, 60.1644, 51.9780
YIQ	189.2910, -41.6250, -33.0890

# Conversions

## Conversions Part 2

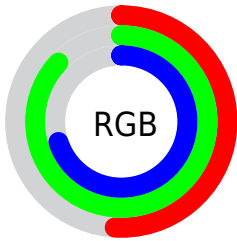
Format	Color
<a href="#">RYB</a>	<a href="#">129, 189, 222</a>
Decimal	<a href="#">8511155</a>
CIELab	<a href="#">81.93, -37.34, 12.53</a>
CIElCh	<a href="#">82, 39.387, 161.448</a>
Yxy	<a href="#">60.1644, 0.2786, 0.3870</a>
Android (android.graphics.Color)	<a href="#">4286701235 (0xFF81DEB3)</a>
YUV	<a href="#">189.2910, -5.0735, -52.8752</a>
Hunter-Lab	<a href="#">77.5657, -36.0689, 14.5648</a>

# Details

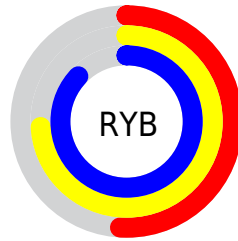
The Hex color **81DEB3** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **DE81AC**, and the grayscale version is **BDBDBD**.

A 20% lighter version of the original color is **B9FFEB**, and **49A67E** is the 20% darker color. If you saturate the color by 10%, you get **6BDEA9**, and if you desaturate by 10%, it is **97DEBD**.

# Distribution



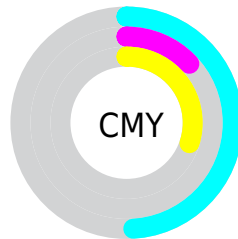
- Red (51%)
- Green (87%)
- Blue (70%)



- Red (51%)
- Yellow (74%)
- Blue (87%)



- Cyan (42%)
- Magenta (0%)
- Yellow (19%)
- Black (13%)



- Cyan (49%)
- Magenta (13%)
- Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81DEB3 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 81DEB3 by changing the saturation by 10% instead.



 81DEB3

 81DEB3

FFFFFF

 65C298

 B9FFEB

 49A67E

 D6FFFF

 2B8C65

 F4FFFF

 00724D

 005836


 004021

 002A0B

 000D00

 000000

 81DEB3

 81DEB3

 6BDEA9

 97DEBD

 55DE9E

 ADDEC8

 3EDE94

 C4DED2

 28DE8A

 DADEDC

 12DE80

 F0DEE6

 00DE77

 FFDEF1

 FFDEFB

 FFDEFF

# Harmonies

## Analogous

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



AED893



81DEB3



55E0D9

# Triad

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



81DEB3



AFCAFF



FFB69D

# Complementary

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



81DEB3



DE81AC

# 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.



FFB0BF



81DEB3



E2BDFE

# Square

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



81DEB3



74D6FF



FFB2E4



F9C286

# Rectangle

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



81DEB3



45DFF1



FFB2E4



FFB3A7

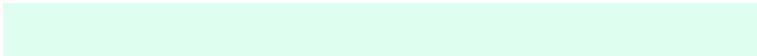


# Sweetspot

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



81DEB3



DEFFF0



ACDE81



6B8076



000000



808080



# Same Dimension

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



81DEB3



80FFC4



81DBDE



65706B



00B05F



00301A



# Inverse Universe

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



DE81AC



FF80BA



DE8481



70656A



B00051

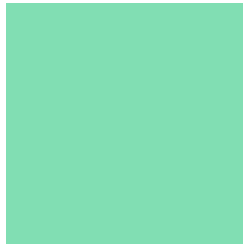


300016



# Previews

## White Background



This preview shows how the Hex color 81DEB3 looks on a white background.

## Color Contrast Check

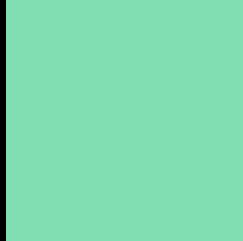
Large Text (above 18pt) WCAG AA × Fail

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 81DEB3 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

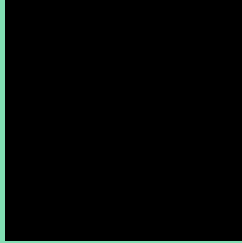
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

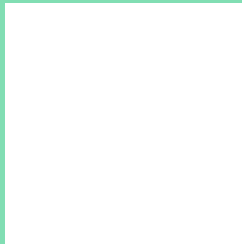
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 81DEB3 Background



This preview shows how black text looks on a background with the Hex color 81DEB3.

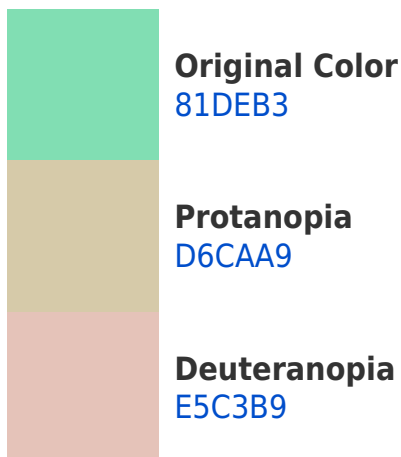


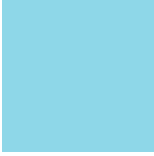
This preview shows how white text looks on a background with the Hex color 81DEB3.

# 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**  
8ED7E8

# Trichromacy



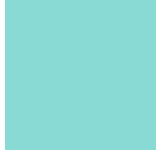
**Original Color**  
81DEB3



**Protanomaly**  
B7D1AD



**Deuteranomaly**  
C1CDB7

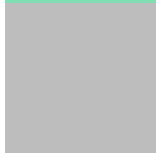


**Tritanomaly**  
89DAD5

# Monochromacy



**Original Color**  
81DEB3



**Achromatopsia**  
BDBDBD



**Achromatomaly**  
A7C9B9

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81DEB3 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 #81DEB3 looks like.

```
.text, #text, p{  
    color:#81DEB3  
}
```

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 #81DEB3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81DEB3
}
```

## Border

The CSS property to change the border of an element to Hex 81DEB3 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
#81DEB3 }
```

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

```
.border{ border-color:#81DEB3 }
```

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

Here you see how a box with a 4 pixel #81DEB3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81DEB3; -webkit-box-shadow:4px 4px  
4px 4px #81DEB3; box-shadow:4px 4px 4px  
4px #81DEB3 }
```

# Background

The CSS property to change the background color of an element to Hex 81DEB3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81DEB3 }
```

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

```
.background{ background-color:#81DEB3 }
```

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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