

# Converting Colors

Hex(81D4BD)

Have a look what the booklet for  
Hex(81D4BD) contains.

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# **Color**

**Hex(81D4BD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81D4BD
RGB	129, 212, 189
RGB Percent	51%, 83%, 74%
CMY	0.4941, 0.1686, 0.2588
CMYK	0.39, 0.00, 0.11, 0.17
HSL	163°, 49%, 67%
HSV	163°, 39%, 83%
XYZ	41.7821, 55.4282, 56.6407
YIQ	184.5610, -42.0850, -24.7490

# Conversions

## Conversions Part 2

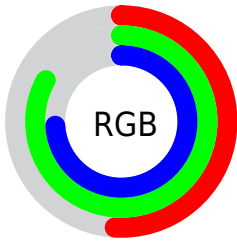
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 177, 212
Decimal	8508605
CIELab	79.29, -30.54, 3.44
CIELCh	79, 30.736, 173.576
Yxy	55.4282, 0.2716, 0.3603
Android (android.graphics.Color)	4286698685 (0xFF81D4BD)
YUV	184.5610, 2.1884, -48.7270
Hunter-Lab	74.4501, -30.1120, 7.0080

# Details

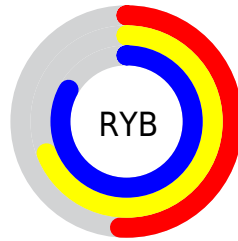
The Hex color **81D4BD** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **D48198**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **B9FFF5**, and **4A9D88** is the 20% darker color. If you saturate the color by 10%, you get **6CD4B7**, and if you desaturate by 10%, it is **96D4C3**.

# Distribution



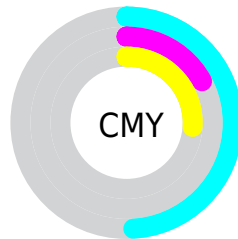
- Red (51%)
- Green (83%)
- Blue (74%)



- Red (51%)
- Yellow (69%)
- Blue (83%)



- Cyan (39%)
- Magenta (0%)
- Yellow (11%)
- Black (17%)



- Cyan (49%)
- Magenta (17%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81D4BD 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 81D4BD by changing the saturation by 10% instead.



 81D4BD

 81D4BD

FFFFFF

 66B8A2

 B9FFF5

 4A9D88

 D6FFFF

 2E836E

 F3FFFF

 066956

 00503F

 003929

 002415

 000000

 81D4BD

 81D4BD

 6CD4B7

 96D4C3

 57D4B1

 ABD4C9

 41D4AB

 C1D4CF

 2CD4A6

 D6D4D4

 17D4A0

 EBD4DA

 02D49A

 FFD4E0

 00D499

 FFD4E6

 FFD4EC

 FFD4F2

# Harmonies

## Analogous

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



A0D0A2



81D4BD



6DD4DA

# Triad

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



81D4BD



C0BFF9



F4B797

# Complementary

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



81D4BD



D48198

# 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.



FEB0AF



81D4BD



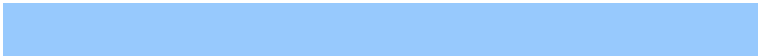
E3B6E7

# Square

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



81D4BD



97C9FD



F9B0CC



DFC08C

# Rectangle

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



81D4BD



6FD2EB



F9B0CC



F9B49E



# Sweetspot

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



81D4BD



E0FFF7



99D481



6E807B



000000



808080

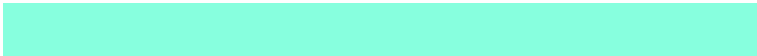


# Same Dimension

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



81D4BD



87FFDE



81C2D4



606B68



00AB7C



002B1F



# Inverse Universe

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



D48198



FF87A8



D49381



6B6063



AB002F

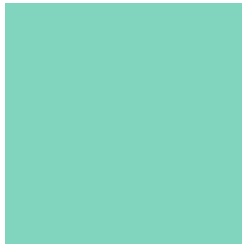


2B000C



# Previews

## White Background



This preview shows how the Hex color 81D4BD looks on a white background.

## Color Contrast Check

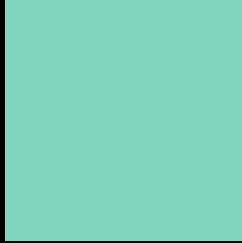
Large Text (above 18pt) WCAG AA × Fail

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 81D4BD looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

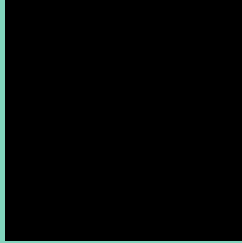
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

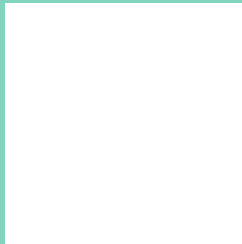
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 81D4BD Background



This preview shows how black text looks on a background with the Hex color 81D4BD.



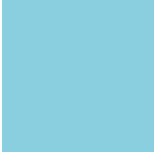
This preview shows how white text looks on a background with the Hex color 81D4BD.

# 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](#).

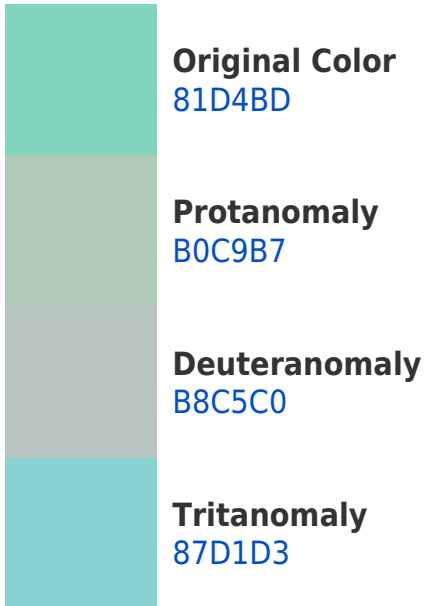
## Dichromacy



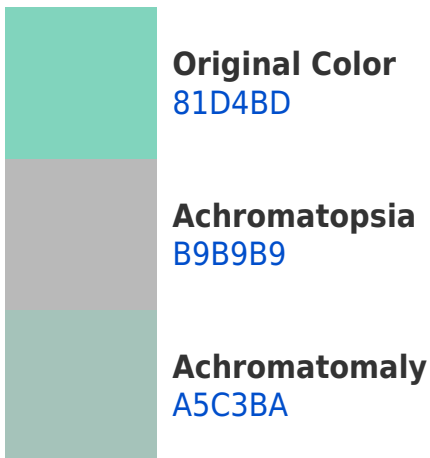


**Tritanopia**  
8ACFE0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81D4BD 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 #81D4BD looks like.

```
.text, #text, p{  
    color:#81D4BD  
}
```

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 #81D4BD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81D4BD }  
}
```

## Border

The CSS property to change the border of an element to Hex 81D4BD 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 #81D4BD }  
}
```

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

```
.border{ border-color:#81D4BD }
```

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

Here you see how a box with a 4 pixel #81D4BD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81D4BD; -webkit-box-shadow:4px 4px  
4px 4px #81D4BD; box-shadow:4px 4px 4px  
4px #81D4BD }
```

# Background

The CSS property to change the background color of an element to Hex 81D4BD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81D4BD }
```

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

```
.background{ background-color:#81D4BD }
```

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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