

# Converting Colors

Hex(81B5BD)

Have a look what the booklet for  
Hex(81B5BD) contains.

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# **Color**

**Hex(81B5BD)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81B5BD
RGB	129, 181, 189
RGB Percent	51%, 71%, 74%
CMY	0.4941, 0.2902, 0.2588
CMYK	0.32, 0.04, 0.00, 0.26
HSL	188°, 31%, 62%
HSV	188°, 32%, 74%
XYZ	34.7624, 41.3890, 54.3008
YIQ	166.3640, -33.5600, -8.5360

# Conversions

## Conversions Part 2

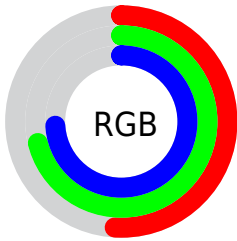
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 157, 189
Decimal	8500669
CIE <sub>Lab</sub>	70.45, -15.05, -9.56
CIE <sub>LCh</sub>	70, 17.827, 212.414
Yxy	41.3890, 0.2665, 0.3173
Android (android.graphics.Color)	4286690749 (0xFF81B5BD)
YUV	166.3640, 11.1595, -32.7682
Hunter-Lab	64.3343, -16.1341, -5.0092

# Details

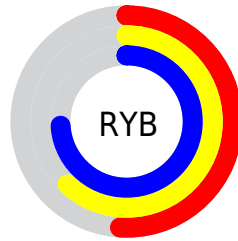
The Hex color **81B5BD** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **BD8981**, and the grayscale version is **A6A6A6**.

A 20% lighter version of the original color is **B8EDF5**, and **4D8088** is the 20% darker color. If you saturate the color by 10%, you get **6EB2BD**, and if you desaturate by 10%, it is **94B8BD**.

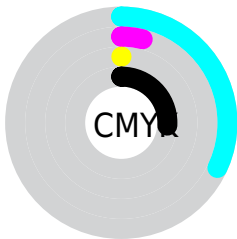
# Distribution



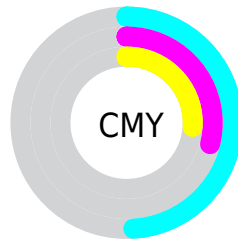
- Red (51%)
- Green (71%)
- Blue (74%)



- Red (51%)
- Yellow (62%)
- Blue (74%)



- Cyan (32%)
- Magenta (4%)
- Yellow (0%)
- Black (26%)



- Cyan (49%)
- Magenta (29%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81B5BD 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 81B5BD by changing the saturation by 10% instead.



 81B5BD

 81B5BD

FFFFFF

 679AA2

 B8EDF5

 4D8088

 D4FFFF

 33676E

 F1FFFF

 184F56

 00383F

 002229

 000415

 000000

 81B5BD

 81B5BD

6EB2BD

94B8BD

5BB0BD

A7BABD

48ADBBD

BABDBD

35ABBD

CDBFBD

23A8BD

E0C2BD

10A6BD

F2C4BD

00A4BD

FFC7BD

FFC9BD

FFCCBD

# Harmonies

## Analogous

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



85B6AD



81B5BD



89B2C8

# Triad

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



81B5BD



C3A3BC



B8AC8C

# Complementary

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



81B5BD



BD8981

# 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.



C6A690



81B5BD



CDA1AC

# Square

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



81B5BD



B1A8C8



CEA29C



A6B191

# Rectangle

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



81B5BD



95AFCC



CEA29C



BDAA8C



# Sweetspot

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



81B5BD



DCF2F5



81BD89



6C787A



FAFAFA



7A7A7A



# Same Dimension

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



81B5BD



98E8F5



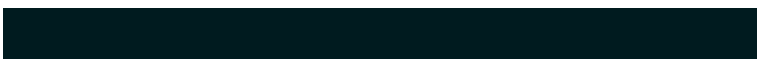
8197BD



555D5E



00899E



001B1F



# Inverse Universe

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



BD81B5



F598E8



BDA781



5E555D



9E0089

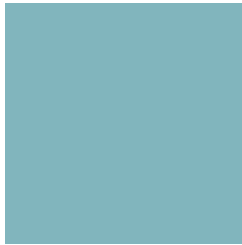


1F001B



# Previews

## White Background



This preview shows how the Hex color 81B5BD looks on a white background.

## Color Contrast Check

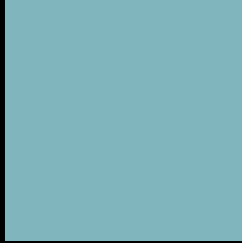
Large Text (above 18pt) WCAG AA × Fail

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 81B5BD looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

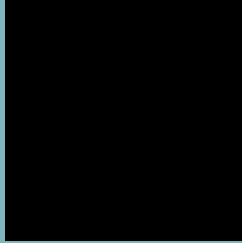
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

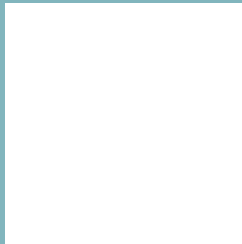
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 81B5BD Background



This preview shows how black text looks on a background with the Hex color 81B5BD.

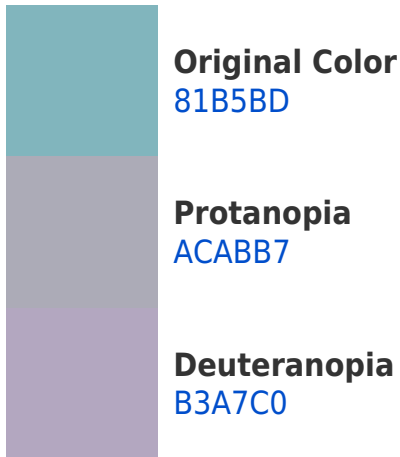


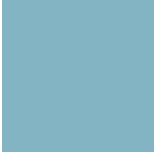
This preview shows how white text looks on a background with the Hex color 81B5BD.

# 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](#).

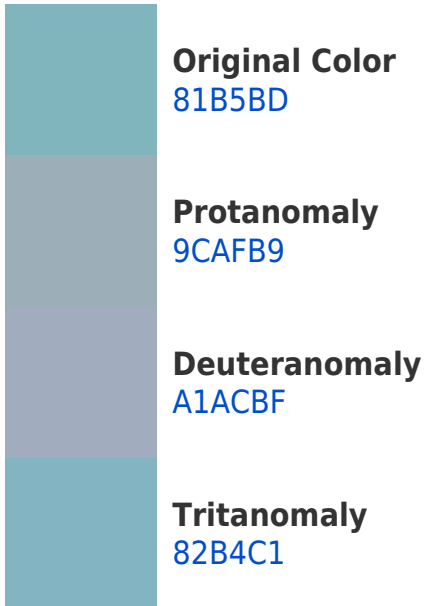
## Dichromacy





**Tritanopia**  
82B4C3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81B5BD 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 #81B5BD looks like.

```
.text, #text, p{  
    color:#81B5BD  
}
```

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 #81B5BD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81B5BD  
}
```

## Border

The CSS property to change the border of an element to Hex 81B5BD 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  
#81B5BD }
```

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

```
.border{ border-color:#81B5BD }
```

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

Here you see how a box with a 4 pixel #81B5BD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81B5BD; -webkit-box-shadow:4px 4px  
4px 4px #81B5BD; box-shadow:4px 4px 4px  
4px #81B5BD }
```

# Background

The CSS property to change the background color of an element to Hex 81B5BD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81B5BD }
```

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

```
.background{ background-color:#81B5BD }
```

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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