

# Converting Colors

Hex(81B8B8)

Have a look what the booklet for  
Hex(81B8B8) contains.

<b>Hex(81B8B8)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(81B8B8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81B8B8
RGB	129, 184, 184
RGB Percent	51%, 72%, 72%
CMY	0.4941, 0.2784, 0.2784
CMYK	0.30, 0.00, 0.00, 0.28
HSL	180°, 28%, 61%
HSV	180°, 30%, 72%
XYZ	34.8455, 42.4088, 51.6966
YIQ	167.5550, -32.7800, -11.6600

# Conversions

## Conversions Part 2

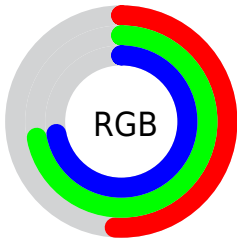
<b>Format</b>	<b>Color</b>
<b>RYB</b>	129, 157, 184
Decimal	8501432
CIELab	71.15, -17.80, -5.76
CIElCh	71, 18.710, 197.943
Yxy	42.4088, 0.2702, 0.3289
Android (android.graphics.Color)	4286691512 (0xFF81B8B8)
YUV	167.5550, 8.1074, -33.8127
Hunter-Lab	65.1220, -18.4518, -1.4814

# Details

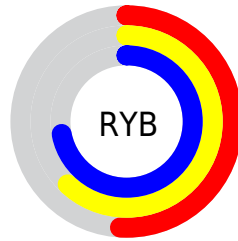
The Hex color **81B8B8** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **B88181**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **B8F0F0**, and **4D8383** is the 20% darker color. If you saturate the color by 10%, you get **6FB8B8**, and if you desaturate by 10%, it is **93B8B8**.

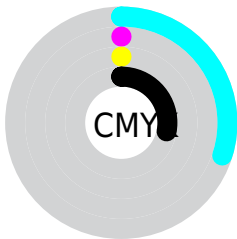
# Distribution



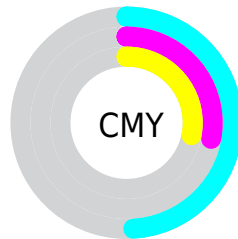
- Red (51%)
- Green (72%)
- Blue (72%)



- Red (51%)
- Yellow (62%)
- Blue (72%)



- Cyan (30%)
- Magenta (0%)
- Yellow (0%)
- Black (28%)




- Cyan (49%)
- Magenta (28%)
- Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 81B8B8 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 81B8B8 by changing the saturation by 10% instead.



 81B8B8

 81B8B8

FFFFFF

 679D9D

 B8F0F0

 4D8383

 D4FFFF

 336A6A

 F1FFFF

 185152


 003A3B

 002425

 000911

 000000

 81B8B8

 81B8B8

 6FB8B8

 93B8B8

 5CB8B8

 A6B8B8

 4AB8B8

 B8B8B8

 37B8B8

 CBB8B8

 25B8B8

 DDB8B8

 13B8B8

 EFB8B8

 00B8B8

 FFB8B8

# Harmonies

## Analogous

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



8BB8A6



81B8B8



83B6C7

# Triad

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



81B8B8



BDA7C5



C2AB8D

# Complementary

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



81B8B8



B88181

# 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.



CEA696



81B8B8



CCA3B6

# Square

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



81B8B8



A8ACCE



D2A3A4



B1B08E

# Rectangle

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



81B8B8



8CB3CD



D2A3A4



C7A98F



# Sweetspot

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



81B8B8



DAF0F0



81B881



6B7878



F7F7F7



787878



# Same Dimension

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



81B8B8



99F0F0



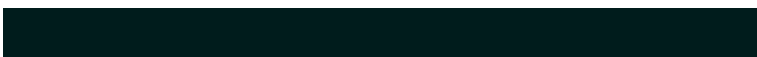
819DB8



535C5C



009C9C



001C1C



# Inverse Universe

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



B881B8



F099F0



B89D81



5C535C



9C009C

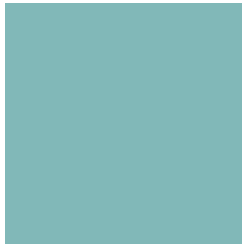


1C001C



# Previews

## White Background



This preview shows how the Hex color 81B8B8 looks on a white background.

## Color Contrast Check

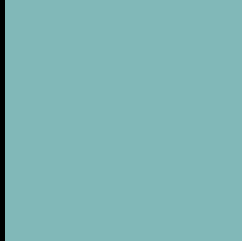
Large Text (above 18pt) WCAG AA × Fail

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 81B8B8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

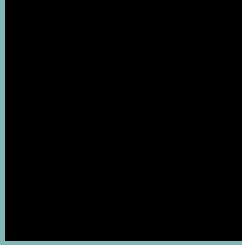
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

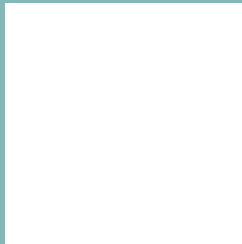
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 81B8B8 Background



This preview shows how black text looks on a background with the Hex color 81B8B8.

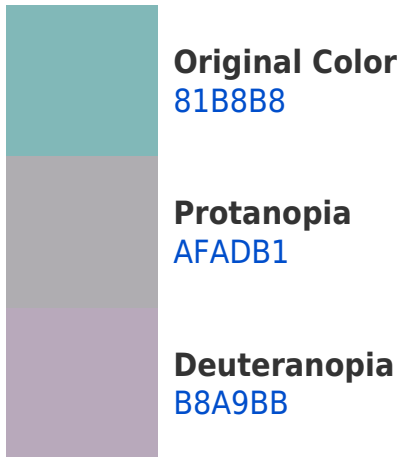


This preview shows how white text looks on a background with the Hex color 81B8B8.

# 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](#).

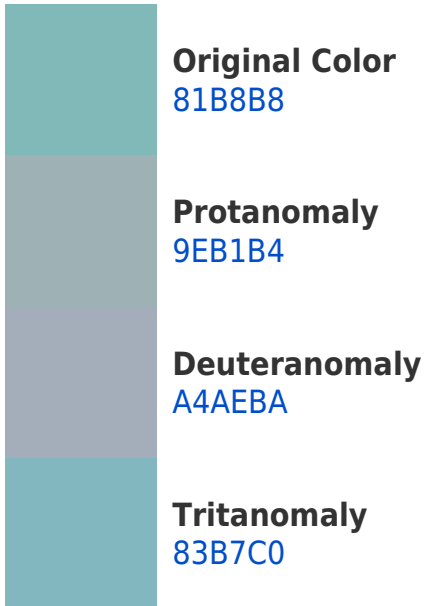
## Dichromacy





**Tritanopia**  
84B6C5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81B8B8 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 #81B8B8 looks like.

```
.text, #text, p{  
    color:#81B8B8  
}
```

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 #81B8B8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81B8B8
}
```

## Border

The CSS property to change the border of an element to Hex 81B8B8 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
#81B8B8 }
```

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

```
.border{ border-color:#81B8B8 }
```

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

Here you see how a box with a 4 pixel #81B8B8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81B8B8; -webkit-box-shadow:4px 4px  
4px 4px #81B8B8; box-shadow:4px 4px 4px  
4px #81B8B8 }
```

# Background

The CSS property to change the background color of an element to Hex 81B8B8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81B8B8 }
```

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

```
.background{ background-color:#81B8B8 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor