

# Converting Colors

Hex(80B7B7)

Have a look what the booklet for  
Hex(80B7B7) contains.

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**Color**

**Hex(80B7B7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80B7B7
RGB	128, 183, 183
RGB Percent	50%, 72%, 72%
CMY	0.4980, 0.2824, 0.2824
CMYK	0.30, 0.00, 0.00, 0.28
HSL	180°, 28%, 61%
HSV	180°, 30%, 72%
XYZ	34.3828, 41.8751, 51.0703
YIQ	166.5550, -32.7800, -11.6600

# Conversions

## Conversions Part 2

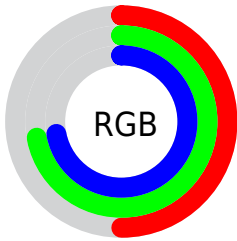
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">128, 156, 183</a>
Decimal	<a href="#">8435639</a>
CIELab	<a href="#">70.78, -17.81, -5.76</a>
CIElCh	<a href="#">71, 18.718, 197.937</a>
Yxy	<a href="#">41.8751, 0.2700, 0.3289</a>
Android (android.graphics.Color)	<a href="#">4286625719 (0xFF80B7B7)</a>
YUV	<a href="#">166.5550, 8.1074, -33.8127</a>
Hunter-Lab	<a href="#">64.7109, -18.4019, -1.4944</a>

# Details

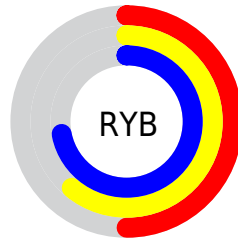
The Hex color **80B7B7** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **B78080**, and the grayscale version is **A7A7A7**.

A 20% lighter version of the original color is **B7EFEF**, and **4C8282** is the 20% darker color. If you saturate the color by 10%, you get **6EB7B7**, and if you desaturate by 10%, it is **92B7B7**.

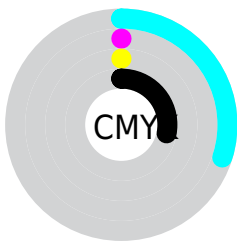
# Distribution



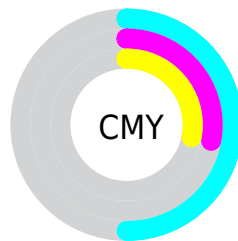
- Red (50%)
- Green (72%)
- Blue (72%)



- Red (50%)
- Yellow (61%)
- Blue (72%)



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



- Cyan (50%)
- Magenta (28%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80B7B7 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 80B7B7 by changing the saturation by 10% instead.



 80B7B7

 80B7B7

FFFFFF

 669C9C

 B7EFEF

 4C8282

 D3FFFF

 326969

 F0FFFF

 175051

 00393A

 002324

 000610

 000000

 80B7B7

 80B7B7

6EB7B7

92B7B7

5BB7B7

A5B7B7

49B7B7

B7B7B7

37B7B7

C9B7B7

24B7B7

DBB7B7

12B7B7

EEB7B7

00B7B7

FFB7B7

# Harmonies

## Analogous

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



8AB7A5



80B7B7



82B5C6

# Triad

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



80B7B7



BCA6C4



C1AA8C

# Complementary

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



80B7B7



B78080

# 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.



CDA595



80B7B7



CBA2B5

# Square

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



80B7B7



A7ABCD



D1A2A3



B0AF8D

# Rectangle

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



80B7B7



8BB2CC



D1A2A3



C6A88E



# Sweetspot

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



80B7B7



D8EDED



80B780



6B7878



F7F7F7



787878



# Same Dimension

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



80B7B7



98EDED



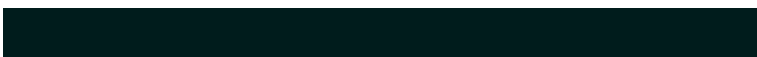
809BB7



535C5C



009C9C



001C1C



# Inverse Universe

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



B780B7



ED98ED



B79B80



5C535C



9C009C

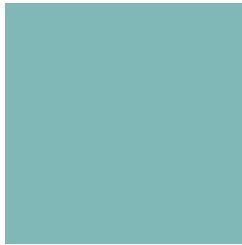


1C001C



# Previews

## White Background



This preview shows how the Hex color 80B7B7 looks on a white background.

## Color Contrast Check

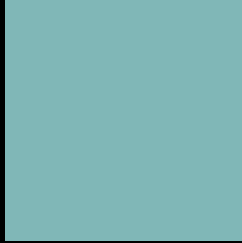
Large Text (above 18pt) WCAG AA × Fail

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 80B7B7 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

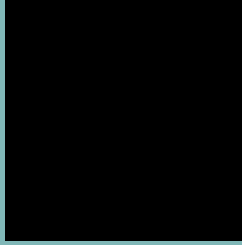
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 80B7B7 Background



This preview shows how black text looks on a background with the Hex color 80B7B7.

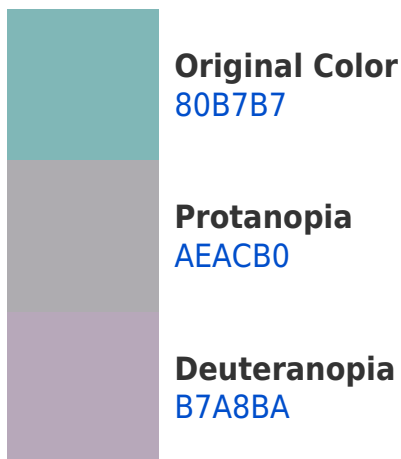


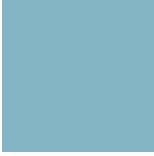
This preview shows how white text looks on a background with the Hex color 80B7B7.

# 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](#).

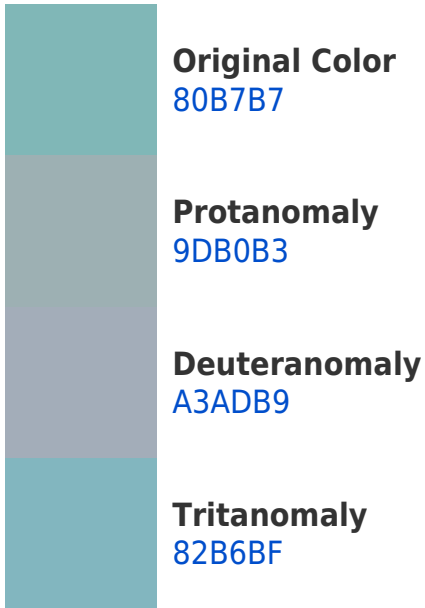
## Dichromacy



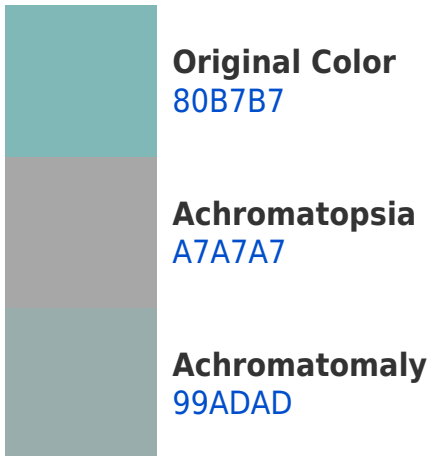


**Tritanopia**  
83B5C4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80B7B7 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 #80B7B7 looks like.

```
.text, #text, p{  
    color:#80B7B7  
}
```

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 #80B7B7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80B7B7
}
```

## Border

The CSS property to change the border of an element to Hex 80B7B7 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
#80B7B7 }
```

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

```
.border{ border-color:#80B7B7 }
```

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

Here you see how a box with a 4 pixel #80B7B7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80B7B7; -webkit-box-shadow:4px 4px  
4px 4px #80B7B7; box-shadow:4px 4px 4px  
4px #80B7B7 }
```

# Background

The CSS property to change the background color of an element to Hex 80B7B7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80B7B7 }
```

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

```
.background{ background-color:#80B7B7 }
```

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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