

# Converting Colors

Hex(80BBBF)

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

<b>Hex(80BBBF)</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(80BBBF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80BBBF
RGB	128, 187, 191
RGB Percent	50%, 73%, 75%
CMY	0.4980, 0.2667, 0.2510
CMYK	0.33, 0.02, 0.00, 0.25
HSL	184°, 33%, 63%
HSV	184°, 33%, 75%
XYZ	36.0764, 43.8914, 55.8607
YIQ	169.8150, -36.4480, -11.2640

# Conversions

## Conversions Part 2

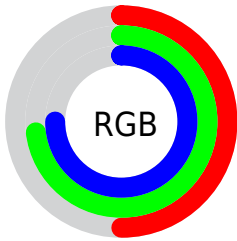
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 158, 191
Decimal	8436671
CIELab	72.16, -17.96, -8.11
CIElCh	72, 19.711, 204.311
Yxy	43.8914, 0.2656, 0.3231
Android (android.graphics.Color)	4286626751 (0xFF80BBBF)
YUV	169.8150, 10.4442, -36.6718
Hunter-Lab	66.2506, -18.7374, -3.6163

# Details

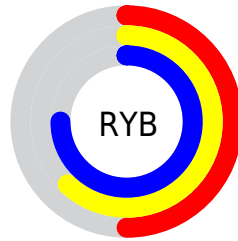
The Hex color **80BBBF** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **BF8480**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **B7F3F7**, and **4B868A** is the 20% darker color. If you saturate the color by 10%, you get **6DBABF**, and if you desaturate by 10%, it is **93BCBF**.

# Distribution



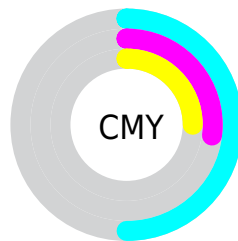
- Red (50%)
- Green (73%)
- Blue (75%)



- Red (50%)
- Yellow (62%)
- Blue (75%)



- Cyan (33%)
- Magenta (2%)
- Yellow (0%)
- Black (25%)



- Cyan (50%)
- Magenta (27%)
- Yellow (25%)

# Brightness & Saturation Gradients

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



 80BBBF

 80BBBF


FFFFFF

 65A0A4

 B7F3F7

 4B868A

 D3FFFF

 316C70

 F0FFFF

 135458

 003C41

 00262B

 000F16

 000000

 80BBBF

 80BBBF

 6DBABF

 93BCBF

 5AB9BF

 A6BDBF

 47B7BF

 B9BFBF

 34B6BF

 CCC0BF

 21B5BF

 E0C1BF

 0DB4BF

 F3C2BF

 00B3BF

 FFC3BF

 FFC5BF

 FFC6BF

# Harmonies

## Analogous

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



89BBAD



80BBBF



85B8CD

# Triad

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



80BBBF



C5A8C6



C2AE8D

# Complementary

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



80BBBF



BF8480

# 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.



D0A994



80BBBF



D3A5B5

# Square

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



80BBBF



B0ADD2



D7A5A3



AFB490

# Rectangle

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



80BBBF



91B5D3



D7A5A3



C8AC8F



# Sweetspot

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



80BBBF



DFF6F7



80BF83



6E7C7D



FCFCFC



7D7D7D



# Same Dimension

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



80BBBF



94F1F7



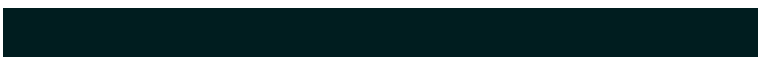
809CBF



555E5E



00949E



001D1F



# Inverse Universe

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



BF80BB



F794F1



BFA380



5E555E



9E0094

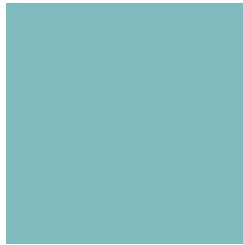


1F001D



# Previews

## White Background



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

## Color Contrast Check

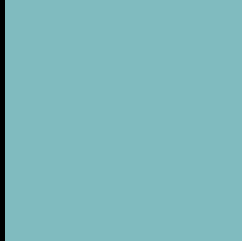
Large Text (above 18pt) WCAG AA × Fail

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 80BBBF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

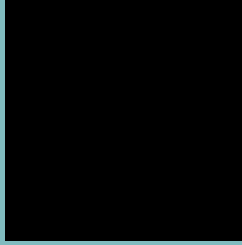
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 80BBBF Background



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

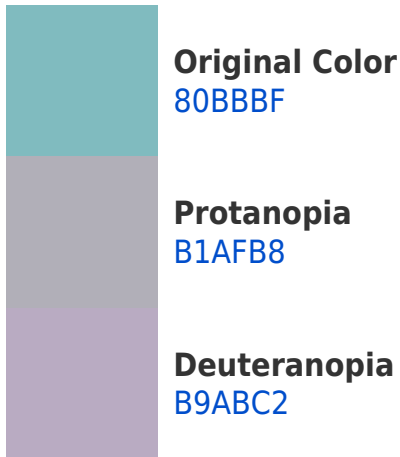


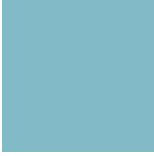
This preview shows how white text looks on a background with the Hex color 80BBBF.

# 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**  
82BAC8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #80BBBF colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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