

# Converting Colors

Hex(80CEAE)

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

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**Color**

**Hex(80CEAE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80CEAE
RGB	128, 206, 174
RGB Percent	50%, 81%, 68%
CMY	0.4980, 0.1922, 0.3176
CMYK	0.38, 0.00, 0.16, 0.19
HSL	155°, 44%, 65%
HSV	155°, 38%, 81%
XYZ	38.6134, 51.7878, 48.0053
YIQ	179.0300, -36.2160, -26.4880

# Conversions

## Conversions Part 2

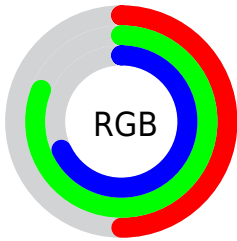
Format	Color
<a href="#">RYB</a>	<a href="#">128, 177, 206</a>
Decimal	<a href="#">8441518</a>
CIELab	<a href="#">77.15, -31.21, 8.39</a>
CIELCh	<a href="#">77, 32.319, 164.955</a>
Yxy	<a href="#">51.7878, 0.2790, 0.3742</a>
Android (android.graphics.Color)	<a href="#">4286631598 (0xFF80CEAE)</a>
YUV	<a href="#">179.0300, -2.4798, -44.7533</a>
Hunter-Lab	<a href="#">71.9637, -30.1593, 10.8237</a>

# Details

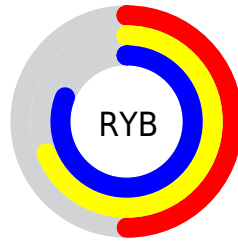
The Hex color **80CEAE** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **CE80A0**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **B7FFE5**, and **4A977A** is the 20% darker color. If you saturate the color by 10%, you get **6BCEA6**, and if you desaturate by 10%, it is **95CEB6**.

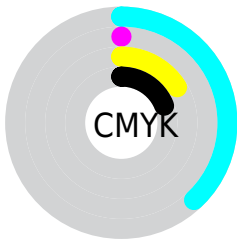
# Distribution



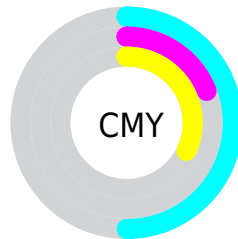
- Red (50%)
- Green (81%)
- Blue (68%)



- Red (50%)
- Yellow (69%)
- Blue (81%)



- Cyan (38%)
- Magenta (0%)
- Yellow (16%)
- Black (19%)



- Cyan (50%)
- Magenta (19%)
- Yellow (32%)

# Brightness & Saturation Gradients

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





80CEAE



80CEAE

FFFFFF



65B293



B7FFE5



4A977A



D4FFFF



2F7D61



F1FFFF



0D6449



004B32



00341D



002104



000000



80CEAE



80CEAE

 6BCEA6

 95CEB6

 57CE9D

 A9CEBF

 42CE95

 BECEC7

 2ECE8C

 D2CED0

 19CE84

 E7CED8

 04CE7B

 FCCEE1

 00CE79

 FFCEE9

 FFCEF2

 FFCEFA

# Harmonies

## Analogous

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



A3C993



80CEAE



64CFCD

# Triad

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



80CEAE



AEBCF8



F5AE96

# Complementary

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



80CEAE



CE80A0

# 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.



FBA9B0



80CEAE



D5B2E9

# Square

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



80CEAE



82C6F8



F0AACF



E1B785

# Rectangle

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



80CEAE



5FC EE0



F0AACF



F8AC9E

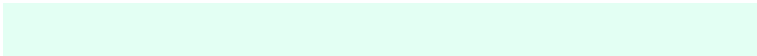


# Sweetspot

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



80CEAE



E3FFF3



A1CE80



6F8079



000000



808080



# Same Dimension

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



80CEAE



8CFFD0



80C8CE



5C6662



00A662



002617



# Inverse Universe

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



CE80A0



FF8CBB



CE8780



665C60



A60044

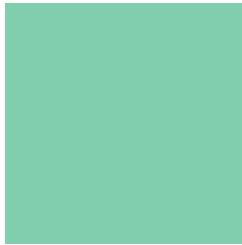


260010



# Previews

## White Background



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

## Color Contrast Check

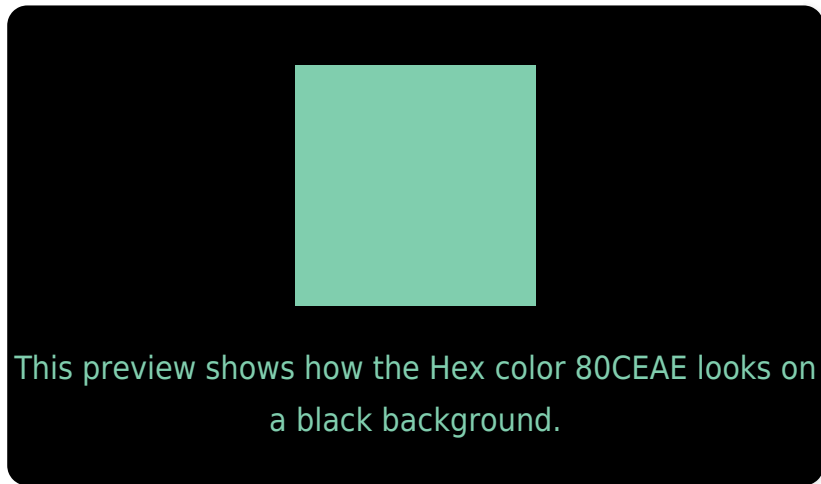
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

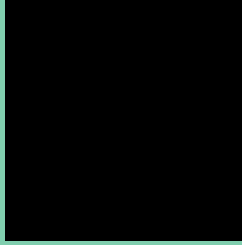
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 80CEAE Background



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

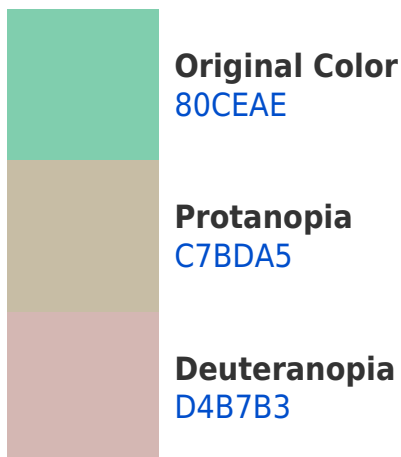


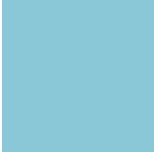
This preview shows how white text looks on a background with the Hex color 80CEAE.

# 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](#).

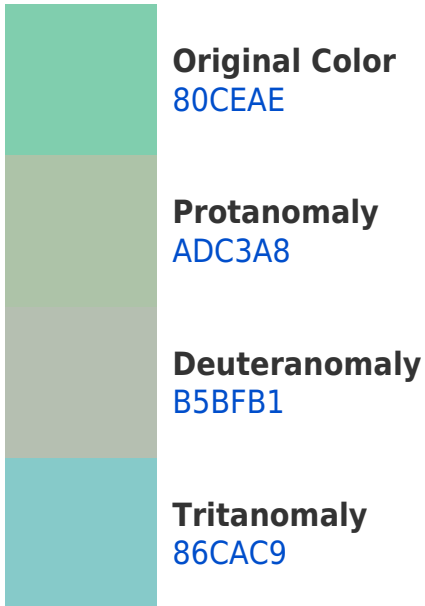
## Dichromacy



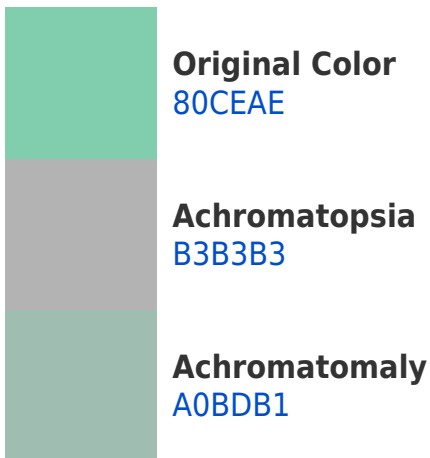


**Tritanopia**  
8AC8D8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #80CEAE colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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