

# Converting Colors

Hex(80AE98)

Have a look what the booklet for  
Hex(80AE98) contains.

<b>Hex(80AE98)</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(80AE98)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80AE98
RGB	128, 174, 152
RGB Percent	50%, 68%, 60%
CMY	0.4980, 0.3176, 0.4039
CMYK	0.26, 0.00, 0.13, 0.32
HSL	151°, 22%, 59%
HSV	151°, 26%, 68%
XYZ	29.7056, 37.1283, 35.3066
YIQ	157.7380, -20.3540, -16.5940

# Conversions

## Conversions Part 2

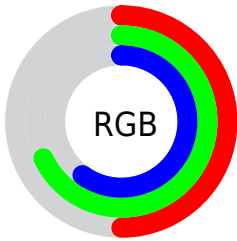
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 158, 174
Decimal	8433304
CIELab	67.37, -20.05, 6.34
CIELCh	67, 21.031, 162.443
Yxy	37.1283, 0.2908, 0.3635
Android (android.graphics.Color)	4286623384 (0xFF80AE98)
YUV	157.7380, -2.8288, -26.0802
Hunter-Lab	60.9330, -19.6116, 8.2985

# Details

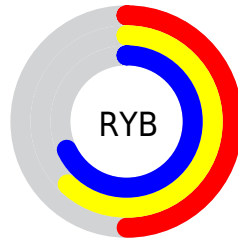
The Hex color **80AE98** is a light color, and the websafe version is hex **669999**. A complement of this color would be **AE8096**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **B6E6CE**, and **4D7965** is the 20% darker color. If you saturate the color by 10%, you get **6FAE90**, and if you desaturate by 10%, it is **91AEA0**.

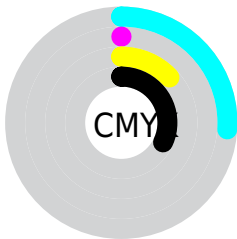
# Distribution



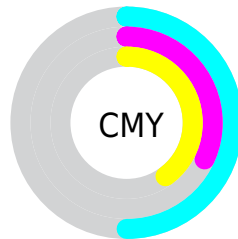
- Red (50%)
- Green (68%)
- Blue (60%)



- Red (50%)
- Yellow (62%)
- Blue (68%)



- Cyan (26%)
- Magenta (0%)
- Yellow (13%)
- Black (32%)



- Cyan (50%)
- Magenta (32%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80AE98 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 80AE98 by changing the saturation by 10% instead.





80AE98



80AE98

FFFFFF



66937E



B6E6CE



4D7965



D2FFEA



35604D



EEFFFF



1D4836



033221



001E0B



000000



80AE98



80AE98



6FAE90



91AEA0

 5DAE87

 A3AEA9

 4CAE7F

 B4AEB1

 3AAE77

 C6AEB9

 29AE6E

 D7AEC2

 18AE66

 E8AECA

 06AE5E

 FAAED2

 00AE5B

 FFAEDB

 FFAEE3

# Harmonies

## Analogous

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



95AB88



80AE98



71AFAB

# Triad

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



80AE98



98A3C9



C8998B

# Complementary

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



80AE98



AE8096

# 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.



CB979D



80AE98



B19DC0

# Square

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



80AE98



80A9C8



C398B0



BD9F80

# Rectangle

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



80AE98



6FAEB8



C398B0



CA9891



# Sweetspot

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



80AE98



D1E3DA



96AE80



67736D



F2F2F2



737373



# Same Dimension

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



80AE98



9AE3C0



80ADAE



4E5753



00964E



00170C



# Inverse Universe

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



AE8096



E39ABD



AE8180



574E52



960048



17000B



# Previews

## White Background



This preview shows how the Hex color 80AE98 looks on a white background.

## Color Contrast Check

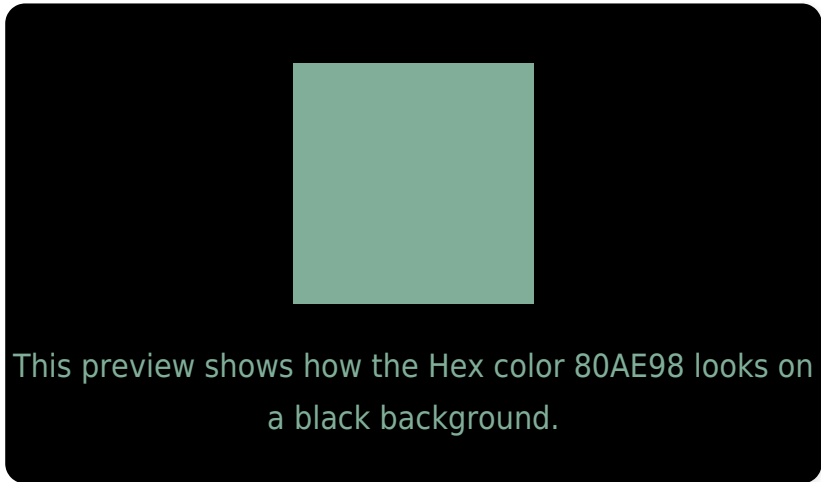
Large Text (above 18pt) WCAG AA × Fail

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

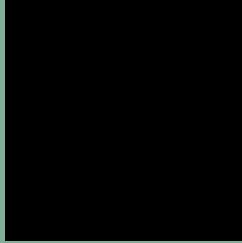
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 80AE98 Background



This preview shows how black text looks on a background with the Hex color 80AE98.

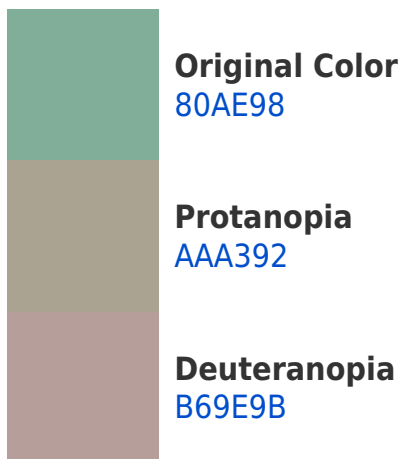


This preview shows how white text looks on a background with the Hex color 80AE98.

# 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](#).

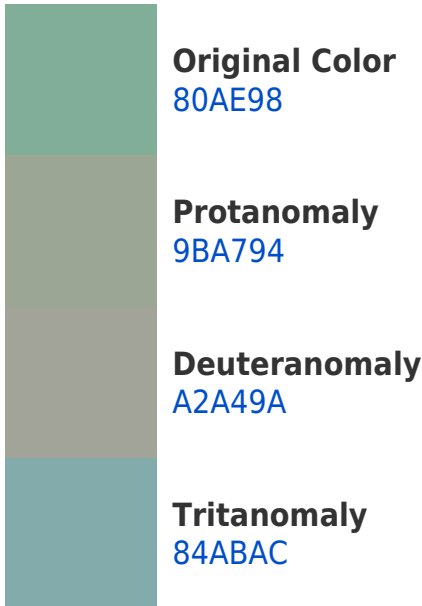
## Dichromacy





**Tritanopia**  
86AAB7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80AE98 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 #80AE98 looks like.

```
.text, #text, p{  
    color:#80AE98  
}
```

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 #80AE98 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80AE98
}
```

## Border

The CSS property to change the border of an element to Hex 80AE98 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
#80AE98 }
```

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

```
.border{ border-color:#80AE98 }
```

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

Here you see how a box with a 4 pixel #80AE98 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80AE98; -webkit-box-shadow:4px 4px  
4px 4px #80AE98; box-shadow:4px 4px 4px  
4px #80AE98 }
```

# Background

The CSS property to change the background color of an element to Hex 80AE98 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80AE98 }
```

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

```
.background{ background-color:#80AE98 }
```

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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