

# Converting Colors

Hex(87C7B6)

Have a look what the booklet for  
Hex(87C7B6) contains.

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# **Color**

**Hex(87C7B6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87C7B6
RGB	135, 199, 182
RGB Percent	53%, 78%, 71%
CMY	0.4706, 0.2196, 0.2863
CMYK	0.32, 0.00, 0.09, 0.22
HSL	164°, 36%, 65%
HSV	164°, 32%, 78%
XYZ	38.8586, 49.3751, 51.7383
YIQ	177.9260, -32.6870, -18.8550

# Conversions

## Conversions Part 2

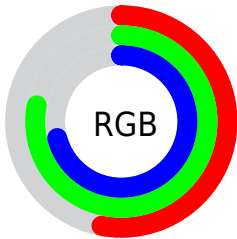
<b>Format</b>	<b>Color</b>
<b>RYB</b>	135, 172, 199
Decimal	8898486
CIELab	75.68, -24.09, 2.01
CIElCh	76, 24.178, 175.236
Yxy	49.3751, 0.2776, 0.3528
Android (android.graphics.Color)	4287088566 (0xFF87C7B6)
YUV	177.9260, 2.0085, -37.6461
Hunter-Lab	70.2674, -24.2558, 5.5317

# Details

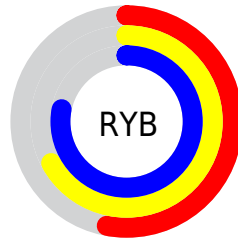
The Hex color **87C7B6** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **C78798**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **BEFFEE**, and **529181** is the 20% darker color. If you saturate the color by 10%, you get **73C7B1**, and if you desaturate by 10%, it is **9BC7BB**.

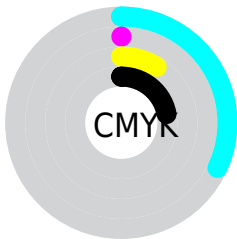
# Distribution



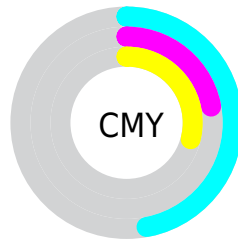
- Red (53%)
- Green (78%)
- Blue (71%)



- Red (53%)
- Yellow (67%)
- Blue (78%)



- Cyan (32%)
- Magenta (0%)
- Yellow (9%)
- Black (22%)



- Cyan (47%)
- Magenta (22%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87C7B6 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 87C7B6 by changing the saturation by 10% instead.



 87C7B6

 87C7B6

FFFFFF

 6CAC9B

 BEFFEE

 529181

 DAFFFF

 387768

 F7FFFF

 1D5E50

 004639

 002F24

 001C0E

 000000

 87C7B6

 87C7B6

 73C7B1

 9BC7BB

 5FC7AB

 AFC7C1

 4BC7A6

 C3C7C6

 37C7A1

 D7C7CB

 24C79C

 EBC7D0

 10C796

 FEC7D6

 00C792

 FFC7DB

 FFC7E0

 FFC7E6

# Harmonies

## Analogous

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



9EC4A0



87C7B6



7BC7CD

# Triad

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



87C7B6



BAB6E3



E0B197

# Complementary

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



87C7B6



C78798

# 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.



E8ACA9



87C7B6



D4AFD4

# Square

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



87C7B6



9BBEE6



E4ABBF



CFB88E

# Rectangle

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



87C7B6



7EC5D9



E4ABBF



E4AE9C

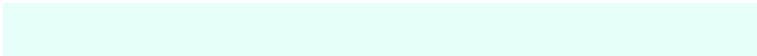


# Sweetspot

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



87C7B6



E6FFF8



98C787



70807B



000000



808080

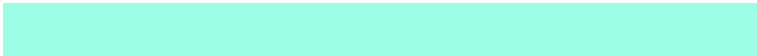


# Same Dimension

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



87C7B6



9CFFE5



87B8C7



5A6361



00A378



00241A



# Inverse Universe

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



C78798



FF9CB6



C79687



635A5C



A3002B

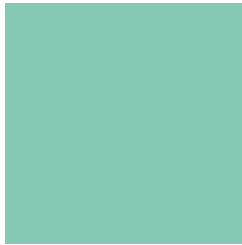


240009



# Previews

## White Background



This preview shows how the Hex color 87C7B6 looks on a white background.

## Color Contrast Check

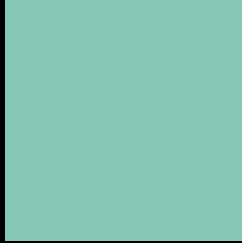
Large Text (above 18pt) WCAG AA × Fail

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 87C7B6 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

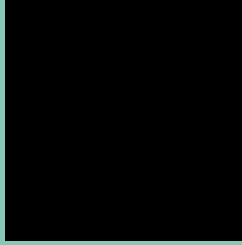
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

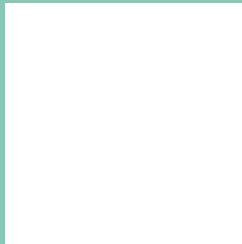
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 87C7B6 Background



This preview shows how black text looks on a background with the Hex color 87C7B6.

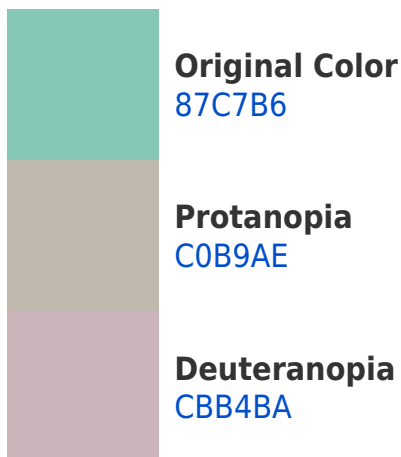


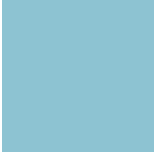
This preview shows how white text looks on a background with the Hex color 87C7B6.

# 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](#).

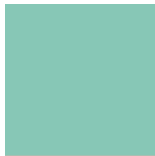
## Dichromacy





**Tritanopia**  
8DC3D2

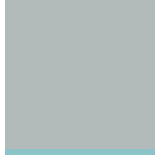
# Trichromacy



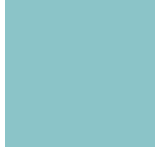
**Original Color**  
87C7B6



**Protanomaly**  
ABBEB1



**Deuteranomaly**  
B2BBB9



**Tritanomaly**  
8BC4C8

# Monochromacy



**Original Color**  
87C7B6



**Achromatopsia**  
B2B2B2



**Achromatomaly**  
A2BAB3

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87C7B6 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 #87C7B6 looks like.

```
.text, #text, p{  
    color:#87C7B6  
}
```

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 #87C7B6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87C7B6
}
```

## Border

The CSS property to change the border of an element to Hex 87C7B6 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
#87C7B6 }
```

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

```
.border{ border-color:#87C7B6 }
```

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

Here you see how a box with a 4 pixel #87C7B6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87C7B6; -webkit-box-shadow:4px 4px  
4px 4px #87C7B6; box-shadow:4px 4px 4px  
4px #87C7B6 }
```

# Background

The CSS property to change the background color of an element to Hex 87C7B6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87C7B6 }
```

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

```
.background{ background-color:#87C7B6 }
```

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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