

# Converting Colors

Hex(87D7AC)

Have a look what the booklet for  
Hex(87D7AC) contains.

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# **Color**

**Hex(87D7AC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87D7AC
RGB	135, 215, 172
RGB Percent	53%, 84%, 67%
CMY	0.4706, 0.1569, 0.3255
CMYK	0.37, 0.00, 0.20, 0.16
HSL	148°, 50%, 69%
HSV	148°, 37%, 84%
XYZ	41.7385, 56.7303, 47.7799
YIQ	186.1780, -33.8770, -30.3330

# Conversions

## Conversions Part 2

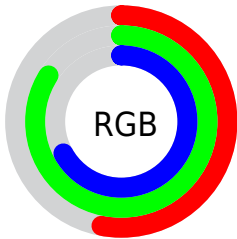
Format	Color
<a href="#">RYB</a>	<a href="#">135, 190, 215</a>
Decimal	<a href="#">8902572</a>
CIELab	<a href="#">80.03, -33.87, 13.58</a>
CIELCh	<a href="#">80, 36.489, 158.145</a>
Yxy	<a href="#">56.7303, 0.2854, 0.3879</a>
Android (android.graphics.Color)	<a href="#">4287092652</a> ( <a href="#">0xFF87D7AC</a> )
YUV	<a href="#">186.1780, -6.9898, -44.8831</a>
Hunter-Lab	<a href="#">75.3195, -32.8930, 15.1123</a>

# Details

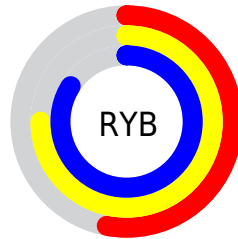
The Hex color **87D7AC** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **D787B2**, and the grayscale version is **BABABA**.

A 20% lighter version of the original color is **BFFFE3**, and **51A078** is the 20% darker color. If you saturate the color by 10%, you get **71D7A0**, and if you desaturate by 10%, it is **9DD7B8**.

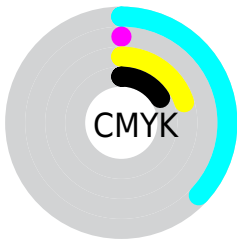
# Distribution



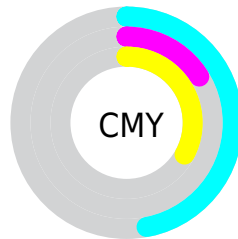
- Red (53%)
- Green (84%)
- Blue (67%)



- Red (53%)
- Yellow (75%)
- Blue (84%)



- Cyan (37%)
- Magenta (0%)
- Yellow (20%)
- Black (16%)



- Cyan (47%)
- Magenta (16%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87D7AC 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 87D7AC by changing the saturation by 10% instead.



 87D7AC

 87D7AC

FFFFFF

 6CBB91

 BFFFE3

 51A078

 DBFFFF

 36855F

 F9FFFF

 176C47

 005330

 003B1B

 002602

 000000

 87D7AC

 87D7AC

 71D7A0

 9DD7B8

 5CD795

 B2D7C3

 46D789

 C8D7CF

 31D77E

 DDD7DA

 1BD772

 F3D7E6

 06D767

 FFD7F1

 00D763

 FFD7FD

 FFD7FF

# Harmonies

## Analogous

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



AFD190



87D7AC



61D9CF

# Triad

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



87D7AC



A7C7FF



FFB19E

# Complementary

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



87D7AC



D787B2

# 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.



FFADBE



87D7AC



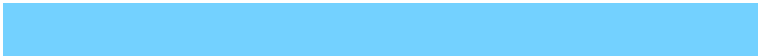
D7BAFC

# Square

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



87D7AC



73D1FF



F9B0E1



F3BC88

# Rectangle

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



87D7AC



52D8E5



F9B0E1



FFAFA8

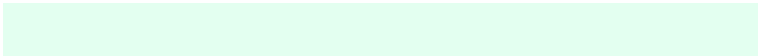


# Sweetspot

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



87D7AC



E3FFF0



B3D787



6F8077



000000



808080

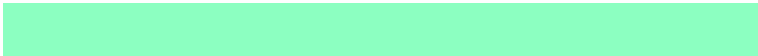


# Same Dimension

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



87D7AC



8CFFC1



87D7D3



606B65



00AB4F



002B14



# Inverse Universe

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



D787B2



FF8CCA



D7878B



6B6066



AB005C



2B0017



# Previews

## White Background



This preview shows how the Hex color 87D7AC 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 87D7AC 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 87D7AC Background



This preview shows how black text looks on a background with the Hex color 87D7AC.

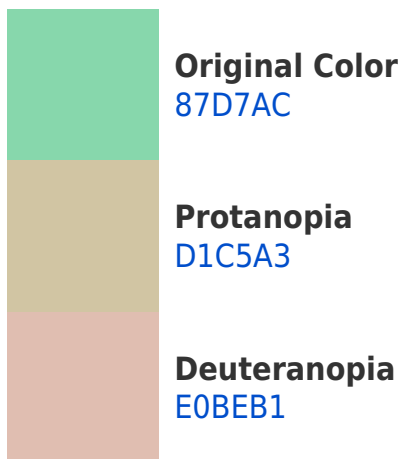


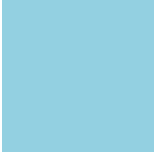
This preview shows how white text looks on a background with the Hex color 87D7AC.

# 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](#).

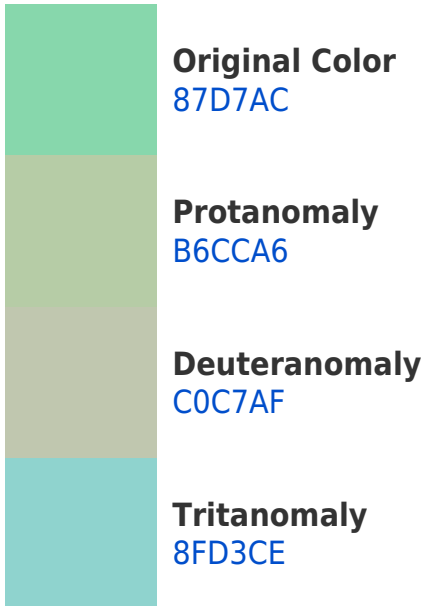
## Dichromacy



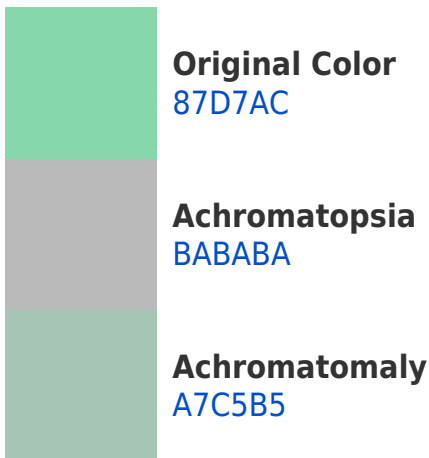


**Tritanopia**  
93D0E1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87D7AC 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 #87D7AC looks like.

```
.text, #text, p{  
    color:#87D7AC  
}
```

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 #87D7AC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87D7AC  
}
```

## Border

The CSS property to change the border of an element to Hex 87D7AC 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  
#87D7AC }
```

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

```
.border{ border-color:#87D7AC }
```

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

Here you see how a box with a 4 pixel #87D7AC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87D7AC; -webkit-box-shadow:4px 4px  
4px 4px #87D7AC; box-shadow:4px 4px 4px  
4px #87D7AC }
```

# Background

The CSS property to change the background color of an element to Hex 87D7AC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87D7AC }
```

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

```
.background{ background-color:#87D7AC }
```

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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