

Converting Colors

Hex(87D9AB)

Have a look what the booklet for
Hex(87D9AB) contains.

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Color

Hex(87D9AB)

Conversions

Conversions Part 1

Format	Color
Hex	87D9AB
RGB	135, 217, 171
RGB Percent	53%, 85%, 67%
CMY	0.4706, 0.1490, 0.3294
CMYK	0.38, 0.00, 0.21, 0.15
HSL	146°, 52%, 69%
HSV	146°, 38%, 85%
XYZ	42.1552, 57.7169, 47.4467
YIQ	187.2380, -34.1060, -31.6900

Conversions

Conversions Part 2

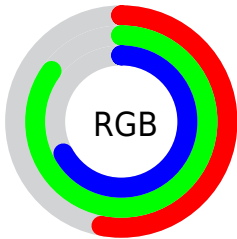
Format	Color
RYB	135, 192, 217
Decimal	8903083
CIELab	80.58, -34.99, 14.89
CIELCh	81, 38.028, 156.947
Yxy	57.7169, 0.2861, 0.3918
Android (android.graphics.Color)	4287093163 (0xFF87D9AB)
YUV	187.2380, -8.0053, -45.8127
Hunter-Lab	75.9716, -33.9041, 16.1516

Details

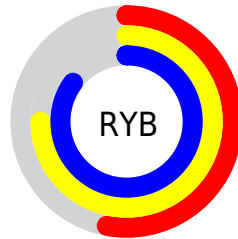
The Hex color **87D9AB** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **D987B5**, and the grayscale version is **BBBBBB**.

A 20% lighter version of the original color is **BFFFE2**, and **51A277** is the 20% darker color. If you saturate the color by 10%, you get **71D99F**, and if you desaturate by 10%, it is **9DD9B7**.

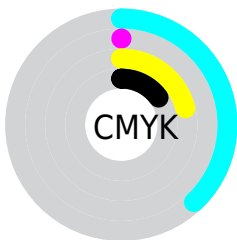
Distribution



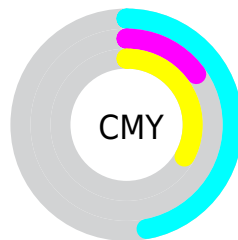
- Red (53%)
- Green (85%)
- Blue (67%)



- Red (53%)
- Yellow (75%)
- Blue (85%)



- Cyan (38%)
- Magenta (0%)
- Yellow (21%)
- Black (15%)



- Cyan (47%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87D9AB 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 87D9AB by changing the saturation by 10% instead.

 87D9AB

 87D9AB

FFFFFF

 6CBD90

 BFFFE2

 51A277

 DCFFFF

 35875E

 F9FFFF

 166D46

 005430

 003C1A


 002701

 000400

 000000

 87D9AB

 87D9AB

 71D99F

 9DD9B7

 5CD993

 B2D9C3

 46D986

 C8D9D0

 30D97A

 DED9DC

 1AD96E

 F4D9E8

 05D962

 FFD9F4

 00D95F

 FFD9FF

Harmonies

Analogous

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



B1D38E



87D9AB



5DDBCF

Triad

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



87D9AB



A4C9FF



FFB29F

Complementary

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



87D9AB



D987B5

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.



FFADC1



87D9AB



D7BCFF

Square

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



87D9AB



6CD3FF



FCB1E5



F7BC87

Rectangle

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



87D9AB



4BDBE7



FCB1E5



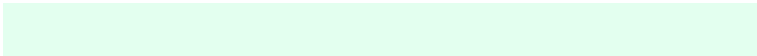
FFAFAA

Sweetspot

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



87D9AB



E3FFEF



B5D987



6F8076



000000



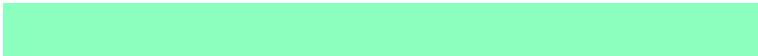
808080

Same Dimension

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



87D9AB



8CFFBF



87D9D4



636E67



00AD4C



002E14

Inverse Universe

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



D987B5



FF8CCD



D9878C



6E6369



AD0061



2E001A

Previews

White Background



This preview shows how the Hex color 87D9AB looks on a white background.

Color Contrast Check

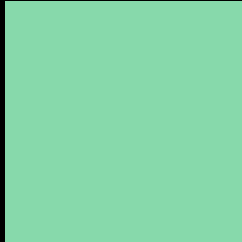
Large Text (above 18pt) WCAG AA × Fail

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 87D9AB looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

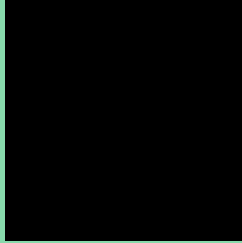
Any Text WCAG AA ✓ Pass

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 87D9AB Background



This preview shows how black text looks on a background with the Hex color 87D9AB.

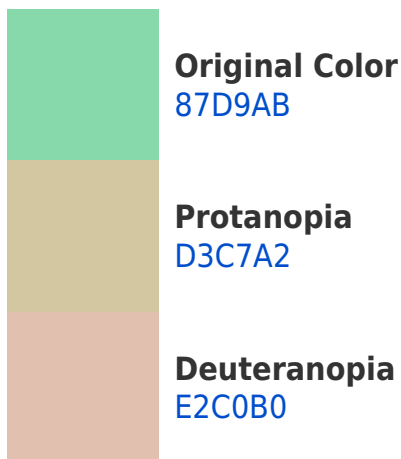


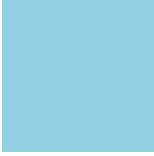
This preview shows how white text looks on a background with the Hex color 87D9AB.

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
93D2E2

Trichromacy



Original Color
87D9AB



Protanomaly
B7CEA5



Deuteranomaly
C1C9AE

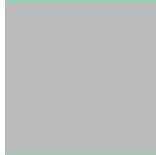


Tritanomaly
8FD5CE

Monochromacy



Original Color
87D9AB



Achromatopsia
BBBBBB



Achromatomaly
A8C6B5

CSS Examples

Text

The CSS property to change the color of the text to Hex 87D9AB 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 #87D9AB looks like.

```
.text, #text, p{  
    color:#87D9AB  
}
```

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 #87D9AB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87D9AB
}
```

Border

The CSS property to change the border of an element to Hex 87D9AB 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
#87D9AB }
```

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

```
.border{ border-color:#87D9AB }
```

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

Here you see how a box with a 4 pixel #87D9AB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87D9AB; -webkit-box-shadow:4px 4px  
4px 4px #87D9AB; box-shadow:4px 4px 4px  
4px #87D9AB }
```

Background

The CSS property to change the background color of an element to Hex 87D9AB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87D9AB }
```

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

```
.background{ background-color:#87D9AB }
```

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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