

# Converting Colors

Hex(87D8C7)

Have a look what the booklet for  
Hex(87D8C7) contains.

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# **Color**

**Hex(87D8C7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87D8C7
RGB	135, 216, 199
RGB Percent	53%, 85%, 78%
CMY	0.4706, 0.1529, 0.2196
CMYK	0.38, 0.00, 0.08, 0.15
HSL	167°, 51%, 69%
HSV	167°, 38%, 85%
XYZ	44.8563, 58.3862, 62.9383
YIQ	189.8430, -42.8190, -22.4590

# Conversions

## Conversions Part 2

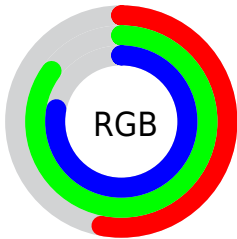
Format	Color
<b>RYB</b>	135, 180, 216
Decimal	8902855
CIELab	80.95, -28.62, 0.56
CIELCh	81, 28.624, 178.883
Yxy	58.3862, 0.2699, 0.3513
Android (android.graphics.Color)	4287092935 (0xFF87D8C7)
YUV	189.8430, 4.5144, -48.0973
Hunter-Lab	76.4108, -28.9320, 4.6514

# Details

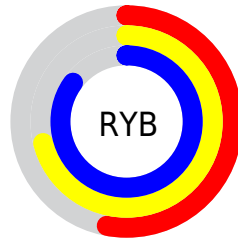
The Hex color **87D8C7** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **D88798**, and the grayscale version is **BEBEBE**.

A 20% lighter version of the original color is **BFFFFFF**, and **50A191** is the 20% darker color. If you saturate the color by 10%, you get **71D8C2**, and if you desaturate by 10%, it is **9DD8CC**.

# Distribution



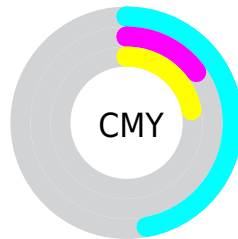
- Red (53%)
- Green (85%)
- Blue (78%)



- Red (53%)
- Yellow (71%)
- Blue (85%)



- Cyan (38%)
- Magenta (0%)
- Yellow (8%)
- Black (15%)



- Cyan (47%)
- Magenta (15%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87D8C7 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 87D8C7 by changing the saturation by 10% instead.



 87D8C7

 87D8C7

FFFFFF

 6CBCAC

 BFFFFFF

 50A191

 DCFFFF

 348678

 F9FFFF

 126D5F

 005447

 003C31

 00261C

 000702

 000000

 87D8C7

 87D8C7

 71D8C2

 9DD8CC

 5CD8BE

 B2D8D0

 46D8B9

 C8D8D5

 31D8B5

 DDD8D9

 1BD8B0

 F3D8DE

 05D8AC

 FFD8E2

 00D8AB

 FFD8E7

 FFD8EB

 FFD8F0

# Harmonies

## Analogous

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



A2D5AD



87D8C7



7AD7E2

# Triad

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



87D8C7



CCC2F8



F4BE9C

# Complementary

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



87D8C7



D88798

# 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.



FFB7B0



87D8C7



EBBAE5

# Square

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



87D8C7



A7CCFE



FCB6CB



DEC794

# Rectangle

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



87D8C7



7FD5F0



FCB6CB



F9BBA2

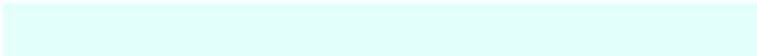


# Sweetspot

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



87D8C7



E3FFF9



99D887



6F807C



000000



808080

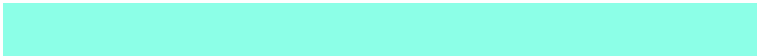


# Same Dimension

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



87D8C7



8CFFE7



87C1D8



606B69



00AB87



002B22



# Inverse Universe

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



D88798



FF8CA4



D89E87



6B6063



AB0024

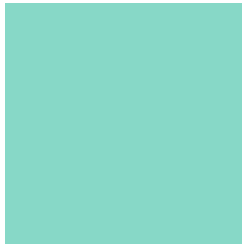


2B0009



# Previews

## White Background



This preview shows how the Hex color 87D8C7 looks on a white background.

## Color Contrast Check

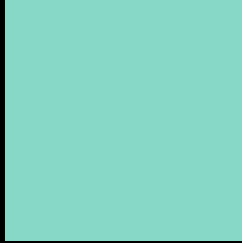
Large Text (above 18pt) WCAG AA × Fail

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 87D8C7 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

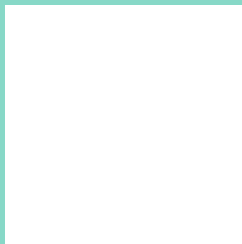
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 87D8C7 Background



This preview shows how black text looks on a background with the Hex color 87D8C7.



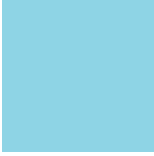
This preview shows how white text looks on a background with the Hex color 87D8C7.

# 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**  
8ED4E5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87D8C7 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 #87D8C7 looks like.

```
.text, #text, p{  
    color:#87D8C7  
}
```

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 #87D8C7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87D8C7
}
```

## Border

The CSS property to change the border of an element to Hex 87D8C7 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
#87D8C7 }
```

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

```
.border{ border-color:#87D8C7 }
```

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

Here you see how a box with a 4 pixel #87D8C7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87D8C7; -webkit-box-shadow:4px 4px  
4px 4px #87D8C7; box-shadow:4px 4px 4px  
4px #87D8C7 }
```

# Background

The CSS property to change the background color of an element to Hex 87D8C7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87D8C7 }
```

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

```
.background{ background-color:#87D8C7 }
```

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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