

Converting Colors

Hex(87E7D7)

Have a look what the booklet for
Hex(87E7D7) contains.

Hex(87E7D7)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(87E7D7)

Conversions

Conversions Part 1

Format	Color
Hex	87E7D7
RGB	135, 231, 215
RGB Percent	53%, 91%, 84%
CMY	0.4706, 0.0941, 0.1569
CMYK	0.42, 0.00, 0.07, 0.09
HSL	170°, 67%, 72%
HSV	170°, 42%, 91%
XYZ	50.8333, 67.2090, 74.5834
YIQ	200.4720, -52.0800, -25.3280

Conversions

Conversions Part 2

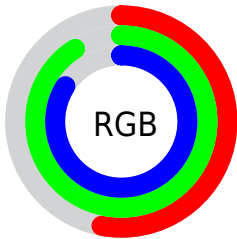
Format	Color
RYB	135, 187, 231
Decimal	8906711
CIELab	85.61, -32.11, -1.11
CIELCh	86, 32.133, 181.986
Yxy	67.2090, 0.2639, 0.3489
Android (android.graphics.Color)	4287096791 (0xFF87E7D7)
YUV	200.4720, 7.1623, -57.4189
Hunter-Lab	81.9811, -32.7860, 3.4469

Details

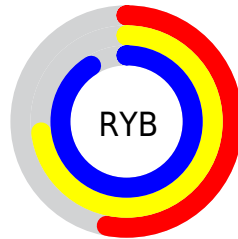
The Hex color **87E7D7** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **E78797**, and the grayscale version is **C8C8C8**.

A 20% lighter version of the original color is **C0FFFF**, and **4EAFA0** is the 20% darker color. If you saturate the color by 10%, you get **70E7D3**, and if you desaturate by 10%, it is **9EE7DB**.

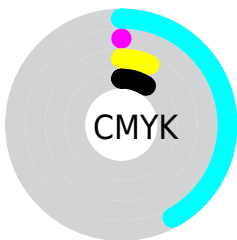
Distribution



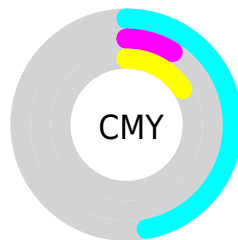
- Red (53%)
- Green (91%)
- Blue (84%)



- Red (53%)
- Yellow (73%)
- Blue (91%)



- Cyan (42%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)



- Cyan (47%)
- Magenta (9%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87E7D7 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 87E7D7 by changing the saturation by 10% instead.

 87E7D7

 87E7D7

FFFFFF

 6BCBBB

 C0FFFF

 4EAFA0

 DEFFFF

 2F9486

 FBFFFF

 007A6D

 006155

 00483E

 003128

 001D13

 000000

 87E7D7

 87E7D7

 70E7D3

 9EE7DB

 59E7CF

 B5E7DF

 42E7CB

 CCE7E3

 2BE7C8

 E3E7E6

 13E7C4

 FBE7EA

 00E7C0

 FFE7EE

 FFE7F2

 FFE7F6

 FFE7FA

Harmonies

Analogous

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



A6E4B9



87E7D7



79E6F5

Triad

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



87E7D7



DDCDFF



FFCAA1

Complementary

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



87E7D7



E78797

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.



FFC2B7



87E7D7



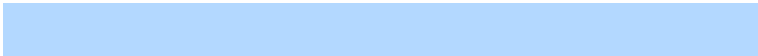
FFC4F3

Square

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



87E7D7



B3D8FF



FFC0D5



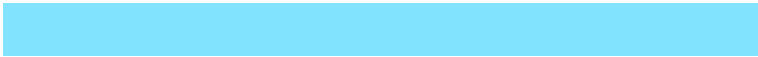
EAD599

Rectangle

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



87E7D7



82E3FF



FFC0D5



FFC7A7

Sweetspot

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



87E7D7



E0FFFA



97E787



6E807D



000000



808080

Same Dimension

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



87E7D7



80FFEA



87C7E7



677371



00B395



00332A

Inverse Universe

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



E78797



FF8095



E7A787



736769



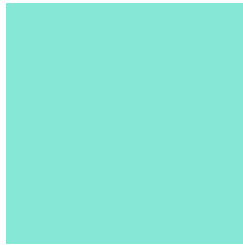
B3001E



330009

Previews

White Background



This preview shows how the Hex color 87E7D7 looks on a white background.

Color Contrast Check

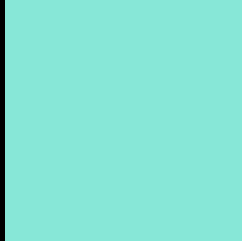
Large Text (above 18pt) WCAG AA × Fail

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 87E7D7 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

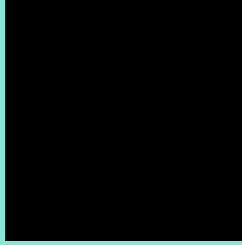
Any Text WCAG AA ✓ Pass

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 87E7D7 Background



This preview shows how black text looks on a background with the Hex color 87E7D7.

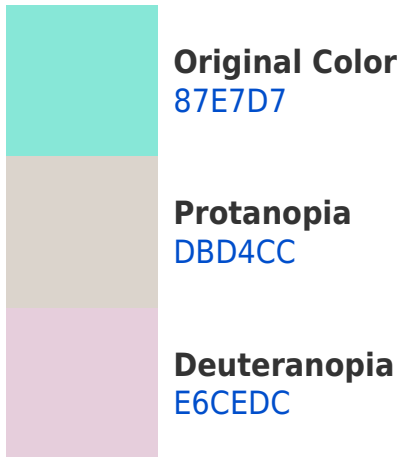


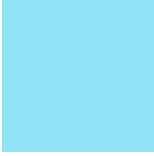
This preview shows how white text looks on a background with the Hex color 87E7D7.

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](#).

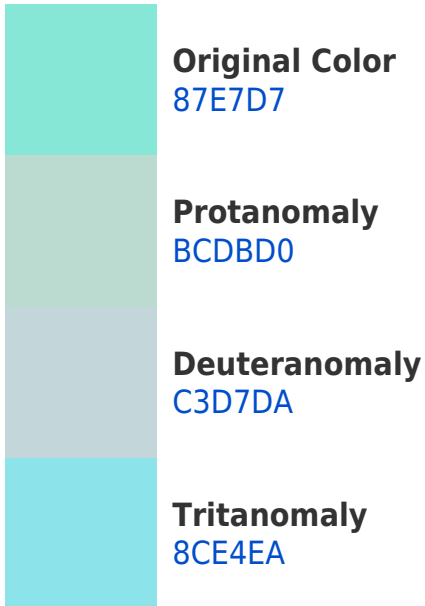
Dichromacy



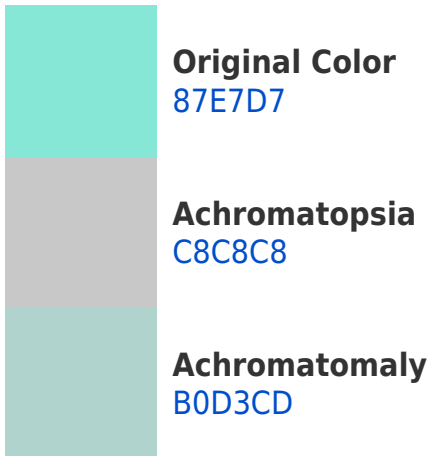


Tritanopia
8FE3F5

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 87E7D7 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 #87E7D7 looks like.

```
.text, #text, p{  
    color:#87E7D7  
}
```

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 #87E7D7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87E7D7
}
```

Border

The CSS property to change the border of an element to Hex 87E7D7 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
#87E7D7 }
```

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

```
.border{ border-color:#87E7D7 }
```

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

Here you see how a box with a 4 pixel #87E7D7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87E7D7; -webkit-box-shadow:4px 4px  
4px 4px #87E7D7; box-shadow:4px 4px 4px  
4px #87E7D7 }
```

Background

The CSS property to change the background color of an element to Hex 87E7D7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87E7D7 }
```

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

```
.background{ background-color:#87E7D7 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor