

Converting Colors

Hex(87E3CC)

Have a look what the booklet for
Hex(87E3CC) contains.

Hex(87E3CC)	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(87E3CC)

Conversions

Conversions Part 1

Format	Color
Hex	87E3CC
RGB	135, 227, 204
RGB Percent	53%, 89%, 80%
CMY	0.4706, 0.1098, 0.2000
CMYK	0.41, 0.00, 0.10, 0.11
HSL	165°, 62%, 71%
HSV	165°, 41%, 89%
XYZ	48.3598, 64.4487, 67.0178
YIQ	196.8700, -47.4490, -26.6570

Conversions

Conversions Part 2

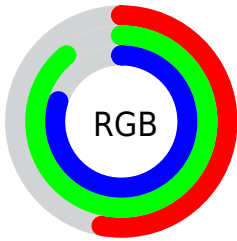
Format	Color
RYB	135, 188, 227
Decimal	8905676
CIELab	84.20, -32.73, 2.63
CIElCh	84, 32.832, 175.406
Yxy	64.4487, 0.2689, 0.3584
Android (android.graphics.Color)	4287095756 (0xFF87E3CC)
YUV	196.8700, 3.5151, -54.2600
Hunter-Lab	80.2799, -32.9633, 6.7006

Details

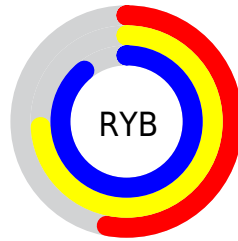
The Hex color **87E3CC** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **E3879E**, and the grayscale version is **C5C5C5**.

A 20% lighter version of the original color is **C0FFFF**, and **4FAB96** is the 20% darker color. If you saturate the color by 10%, you get **70E3C6**, and if you desaturate by 10%, it is **9EE3D2**.

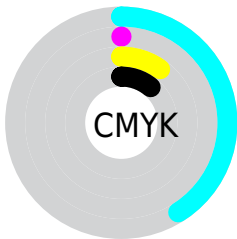
Distribution



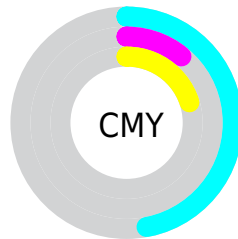
- Red (53%)
- Green (89%)
- Blue (80%)



- Red (53%)
- Yellow (74%)
- Blue (89%)



- Cyan (41%)
- Magenta (0%)
- Yellow (10%)
- Black (11%)



- Cyan (47%)
- Magenta (11%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87E3CC 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 87E3CC by changing the saturation by 10% instead.

 87E3CC

 87E3CC

FFFFFF

 6BC7B1

 C0FFFF

 4FAB96

 DDFFFF

 31907C

 FAFFFF

 077663

 005D4B

 004535

 002E20

 001808

 000000

 87E3CC

 87E3CC

 70E3C6

 9EE3D2

 5AE3C1

 B4E3D7

 43E3BB

 CBE3DD

 2CE3B5

 E2E3E3

 16E3B0

 F9E3E8

 00E3AA

 FFE3EE

 FFE3F4

 FFE3F9

 FFE3FF

Harmonies

Analogous

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



A9DFAE



87E3CC



73E3EB

Triad

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



87E3CC



D0CCFF



FFC4A0

Complementary

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



87E3CC



E3879E

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.



FFBDB9



87E3CC



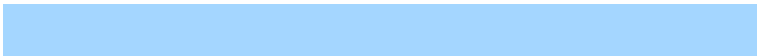
F5C2F6

Square

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



87E3CC



A4D6FF



FFBCD8



EDCE94

Rectangle

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



87E3CC



76E0FD



FFBCD8



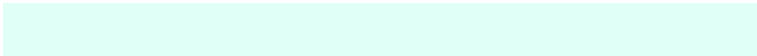
FFC1A7

Sweetspot

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



87E3CC



E0FFF7



9EE387



6E807B



000000



808080

Same Dimension

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



87E3CC



82FFE0



87CCE3



677370



00B386



003326

Inverse Universe

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



E3879E



FF82A1



E39E87



73676A



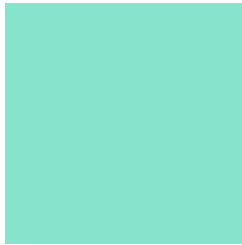
B3002D



33000D

Previews

White Background



This preview shows how the Hex color 87E3CC looks on a white background.

Color Contrast Check

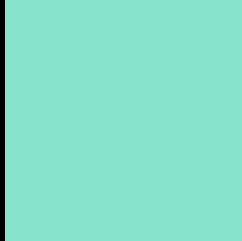
Large Text (above 18pt) WCAG AA × Fail

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 87E3CC looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

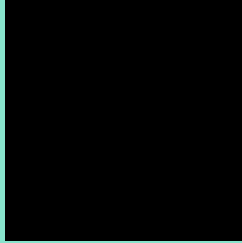
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

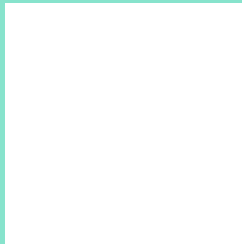
Any Text WCAG AAA ✓ Pass

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

Hex 87E3CC Background



This preview shows how black text looks on a background with the Hex color 87E3CC.

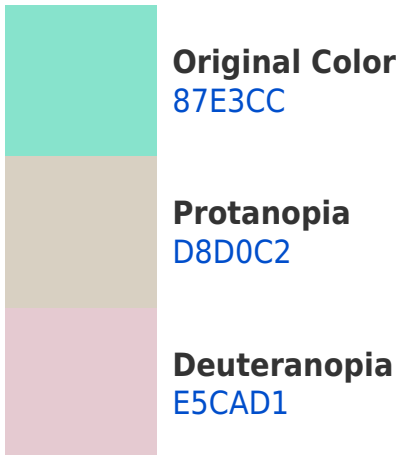


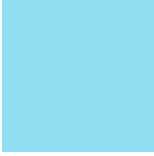
This preview shows how white text looks on a background with the Hex color 87E3CC.

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



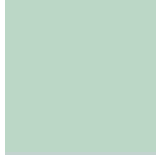


Tritanopia
90DEF0

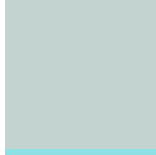
Trichromacy



Original Color
87E3CC



Protanomaly
BBD7C6



Deuteranomaly
C3D3CF

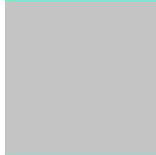


Tritanomaly
8DE0E3

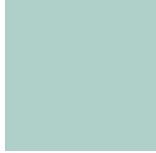
Monochromacy



Original Color
87E3CC



Achromatopsia
C5C5C5



Achromatomaly
AED0C8

CSS Examples

Text

The CSS property to change the color of the text to Hex 87E3CC 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 #87E3CC looks like.

```
.text, #text, p{  
    color:#87E3CC  
}
```

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 #87E3CC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87E3CC }  
}
```

Border

The CSS property to change the border of an element to Hex 87E3CC 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 #87E3CC }  
}
```

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

```
.border{ border-color:#87E3CC }
```

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

Here you see how a box with a 4 pixel #87E3CC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87E3CC; -webkit-box-shadow:4px 4px  
4px 4px #87E3CC; box-shadow:4px 4px 4px  
4px #87E3CC }
```

Background

The CSS property to change the background color of an element to Hex 87E3CC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87E3CC }
```

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

```
.background{ background-color:#87E3CC }
```

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