

Converting Colors

Hex(87E2E2)

Have a look what the booklet for
Hex(87E2E2) contains.

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Color

Hex(87E2E2)

Conversions

Conversions Part 1

Format	Color
Hex	87E2E2
RGB	135, 226, 226
RGB Percent	53%, 89%, 89%
CMY	0.4706, 0.1137, 0.1137
CMYK	0.40, 0.00, 0.00, 0.11
HSL	180°, 61%, 71%
HSV	180°, 40%, 89%
XYZ	50.9155, 65.0346, 81.8209
YIQ	198.7910, -54.2360, -19.2920

Conversions

Conversions Part 2

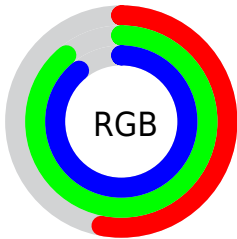
Format	Color
RYB	135, 181, 226
Decimal	8905442
CIELab	84.50, -27.12, -8.55
CIELCh	85, 28.437, 197.500
Yxy	65.0346, 0.2574, 0.3288
Android (android.graphics.Color)	4287095522 (0xFF87E2E2)
YUV	198.7910, 13.4140, -55.9447
Hunter-Lab	80.6440, -28.4291, -3.7044

Details

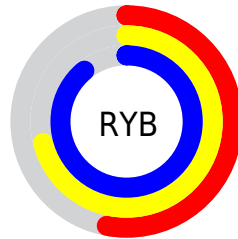
The Hex color **87E2E2** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **E28787**, and the grayscale version is **C7C7C7**.

A 20% lighter version of the original color is **C0FFFF**, and **4EAAAB** is the 20% darker color. If you saturate the color by 10%, you get **70E2E2**, and if you desaturate by 10%, it is **9EE2E2**.

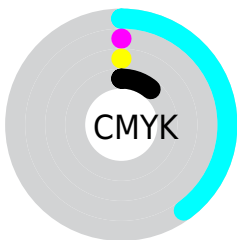
Distribution



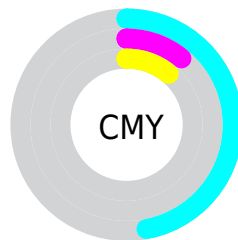
- Red (53%)
- Green (89%)
- Blue (89%)



- Red (53%)
- Yellow (71%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the Hex color 87E2E2 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 87E2E2 by changing the saturation by 10% instead.

 87E2E2

 87E2E2

FFFFFF

 6BC6C6

 C0FFFF

 4EAAAB

 DEFFFF

 2E9090

 FBFFFF

 007677

 005D5E

 004546

 002E30

 00191B

 000000

 87E2E2

 87E2E2

 70E2E2

 9EE2E2

 5AE2E2

 B4E2E2

 43E2E2

 CBE2E2

 2DE2E2

 E1E2E2

 16E2E2

 F8E2E2

 00E2E2

 FFE2E2

Harmonies

Analogous

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



9BE1C6



87E2E2



89DFFA

Triad

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



87E2E2



EAC7F7



F1CD9F

Complementary

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



87E2E2



E28787

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.



FFC5AC



87E2E2



FFC1DF

Square

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



87E2E2



C8D0FF



FFC0C4



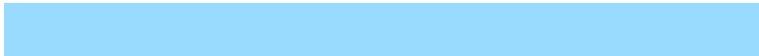
D6D69F

Rectangle

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



87E2E2



99DBFF



FFC0C4



F8CAA2

Sweetspot

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



87E2E2



E0FFFF



87E287



6E8080



000000



808080

Same Dimension

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



87E2E2



85FFFF



87B4E2



657070



00B0B0



003030

Inverse Universe

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



E287E2



FF85FF



E2B487



706570



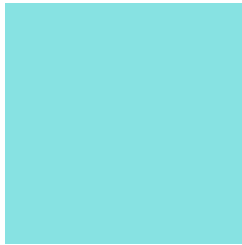
B000B0



300030

Previews

White Background



This preview shows how the Hex color 87E2E2 looks on a white background.

Color Contrast Check

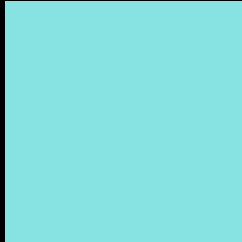
Large Text (above 18pt) WCAG AA × Fail

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 87E2E2 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 87E2E2 Background



This preview shows how black text looks on a background with the Hex color 87E2E2.

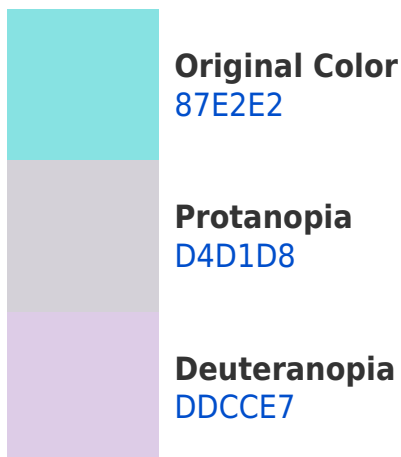


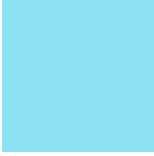
This preview shows how white text looks on a background with the Hex color 87E2E2.

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
8BE0F2

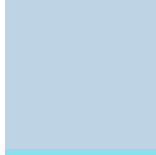
Trichromacy



Original Color
87E2E2



Protanomaly
B8D7DC



Deuteranomaly
BED4E5

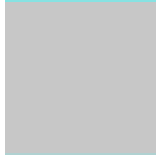


Tritanomaly
8AE1EC

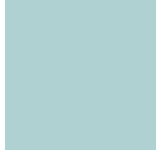
Monochromacy



Original Color
87E2E2



Achromatopsia
C7C7C7



Achromatomaly
B0D1D1

CSS Examples

Text

The CSS property to change the color of the text to Hex 87E2E2 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 #87E2E2 looks like.

```
.text, #text, p{  
    color:#87E2E2  
}
```

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 #87E2E2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87E2E2
}
```

Border

The CSS property to change the border of an element to Hex 87E2E2 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
#87E2E2 }
```

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

```
.border{ border-color:#87E2E2 }
```

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

Here you see how a box with a 4 pixel #87E2E2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87E2E2; -webkit-box-shadow:4px 4px  
4px 4px #87E2E2; box-shadow:4px 4px 4px  
4px #87E2E2 }
```

Background

The CSS property to change the background color of an element to Hex 87E2E2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87E2E2 }
```

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

```
.background{ background-color:#87E2E2 }
```

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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