

Converting Colors

Hex(87DEBF)

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

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Color

Hex(87DEBF)

Conversions

Conversions Part 1

Format	Color
Hex	87DEBF
RGB	135, 222, 191
RGB Percent	53%, 87%, 75%
CMY	0.4706, 0.1294, 0.2510
CMYK	0.39, 0.00, 0.14, 0.13
HSL	159°, 57%, 70%
HSV	159°, 39%, 87%
XYZ	45.5169, 61.1550, 58.6953
YIQ	192.4530, -41.9010, -28.0850

Conversions

Conversions Part 2

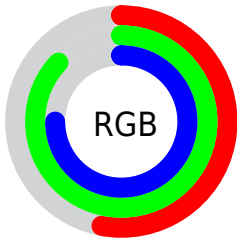
Format	Color
RYB	135, 188, 222
Decimal	8904383
CIELab	82.46, -33.22, 6.99
CIELCh	82, 33.948, 168.116
Yxy	61.1550, 0.2752, 0.3698
Android (android.graphics.Color)	4287094463 (0xFF87DEBF)
YUV	192.4530, -0.7163, -50.3863
Hunter-Lab	78.2017, -32.9579, 10.2403

Details

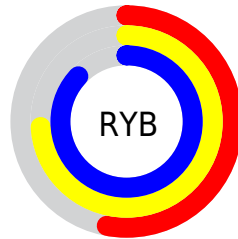
The Hex color **87DEBF** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **DE87A6**, and the grayscale version is **C0C0C0**.

A 20% lighter version of the original color is **BFFFF7**, and **50A68A** is the 20% darker color. If you saturate the color by 10%, you get **71DEB7**, and if you desaturate by 10%, it is **9DDEC7**.

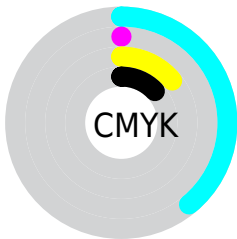
Distribution



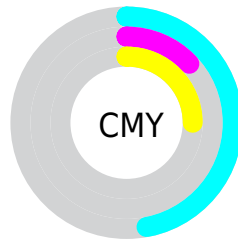
- Red (53%)
- Green (87%)
- Blue (75%)



- Red (53%)
- Yellow (74%)
- Blue (87%)



- Cyan (39%)
- Magenta (0%)
- Yellow (14%)
- Black (13%)



- Cyan (47%)
- Magenta (13%)
- Yellow (25%)

Brightness & Saturation Gradients

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

 87DEBF

FFFFFF

 BFFFF7

 DCFFFF

 FAFFFF

 87DEBF

 6BC2A4

 50A68A

 338C70

 107258

 005940

 00412A

 002A16

 001000

 000000

 87DEBF

 87DEBF

 71DEB7

 9DDEC7

 5BDEAF

 B3DEC7

 44DEA7

 CADED7

 2EDE9F

 E0DED7

 18DE97

 F6DEE7

 02DE90

 FFDEEE

 00DE8F

 FFDEF6

 FFDEFE

 FFDEFF

Harmonies

Analogous

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



ACD9A2



87DEBF



6BDFE0

Triad

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



87DEBF



C0CAFF



FFBC9F

Complementary

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



87DEBF



DE87A6

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.



FFB6BB



87DEBF



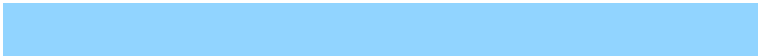
E9BEF8

Square

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



87DEBF



91D4FF



FFB7DB



EFC78F

Rectangle

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



87DEBF



68DDF3



FFB7DB



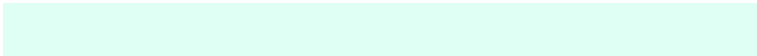
FFBAA7

Sweetspot

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



87DEBF



E0FFF4



A7DE87



6E8079



000000



808080

Same Dimension

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



87DEBF



87FFD4



87D2DE



65706C



00B071



00301F

Inverse Universe

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



DE87A6



FF87B2



DE9387



706569



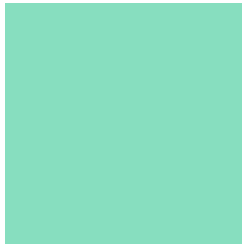
B0003F



300011

Previews

White Background



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

Color Contrast Check

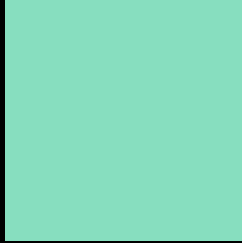
Large Text (above 18pt) WCAG AA × Fail

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 87DEBF looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

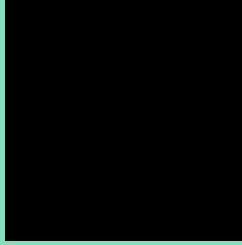
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

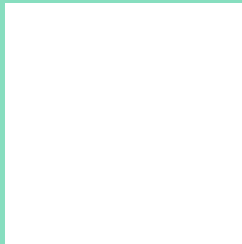
Any Text WCAG AAA ✓ Pass

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

Hex 87DEBF Background



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

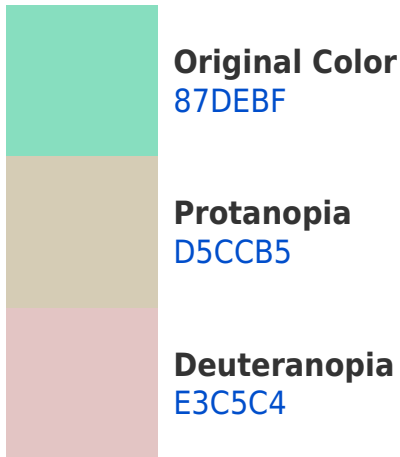


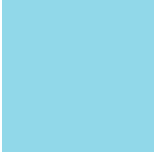
This preview shows how white text looks on a background with the Hex color 87DEBF.

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
91D8E9

Trichromacy



Original Color
87DEBF



Protanomaly
B9D3B9



Deuteranomaly
C2CEC2

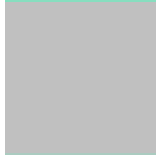


Tritanomaly
8DDADA

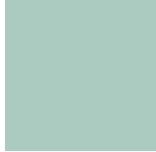
Monochromacy



Original Color
87DEBF



Achromatopsia
C0C0C0



Achromatomaly
ABCBC0

CSS Examples

Text

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

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

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 #87DEBF colored shadow looks like.

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

Border

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

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

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

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

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

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

Background

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

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

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

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

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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