

# Converting Colors

Hex(87F7DE)

Have a look what the booklet for  
Hex(87F7DE) contains.

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# Color

**Hex(87F7DE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87F7DE
RGB	135, 247, 222
RGB Percent	53%, 97%, 87%
CMY	0.4706, 0.0314, 0.1294
CMYK	0.45, 0.00, 0.10, 0.03
HSL	167°, 88%, 75%
HSV	167°, 45%, 97%
XYZ	56.4373, 76.9464, 80.9848
YIQ	210.6620, -58.7270, -31.5190

# Conversions

## Conversions Part 2

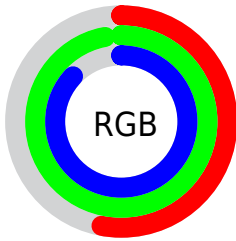
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	135, 198, 247
Decimal	8910814
CIE Lab	90.30, -37.92, 2.06
CIE LCh	90, 37.978, 176.887
Yxy	76.9464, 0.2633, 0.3589
Android (android.graphics.Color)	4287100894 (0xFF87F7DE)
YUV	210.6620, 5.5896, -66.3556
Hunter-Lab	87.7191, -38.6639, 6.6651

# Details

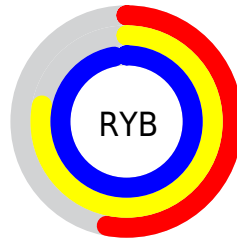
The Hex color **87F7DE** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **F787A0**, and the grayscale version is **D3D3D3**.

A 20% lighter version of the original color is **C1FFFF**, and **4BBEA7** is the 20% darker color. If you saturate the color by 10%, you get **6EF7D8**, and if you desaturate by 10%, it is **A0F7E4**.

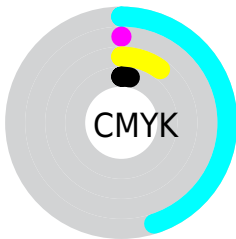
# Distribution



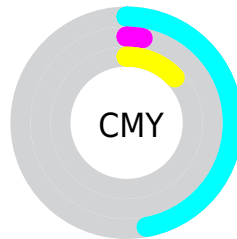
- Red (53%)
- Green (97%)
- Blue (87%)



- Red (53%)
- Yellow (78%)
- Blue (97%)



- Cyan (45%)
- Magenta (0%)
- Yellow (10%)
- Black (3%)



- Cyan (47%)
- Magenta (3%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87F7DE 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 87F7DE by changing the saturation by 10% instead.



 87F7DE

 87F7DE

FFFFFF

 6ADAC2

 C1FFFF

 4BBEA7

 DFFFFF

 29A38D

FDFFFF

 008873

 006E5B

 005543

 003D2D

 002818

 000200

 87F7DE

 87F7DE

 6EF7D8

 A0F7E4

 56F7D3

 B8F7E9

 3DF7CD

 D1F7EF

 24F7C8

 EAF7F4

 0CF7C2

 FFF7FA

 00F7C0

 FFF7FF

# Harmonies

## Analogous

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



B0F3BA



87F7DE



6DF7FF

# Triad

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



87F7DE



E3DBFF



FFD3A8

# Complementary

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



87F7DE



F787A0

# 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.



FFCAC4



87F7DE



FFCFFF

# Square

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



87F7DE



AEE8FF



FFC8E8



FFE09B

# Rectangle

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



87F7DE



72F4FF



FFC8E8



FFD0B0

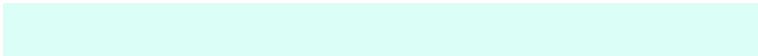


# Sweetspot

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



87F7DE



DBFFF7



A1F787



6A807B



000000

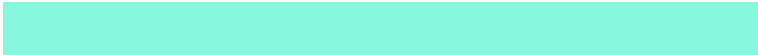


808080

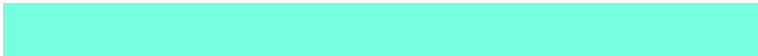


# Same Dimension

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



87F7DE



75FFE0



87D9F7



6E7A78



00BA91



003B2E



# Inverse Universe

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



F787A0



FF7594



F7A587



7A6E71



BA002A

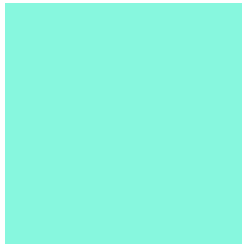


3B000D



# Previews

## White Background



This preview shows how the Hex color 87F7DE looks on a white background.

## Color Contrast Check

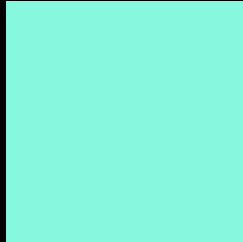
Large Text (above 18pt) WCAG AA × Fail

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 87F7DE looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

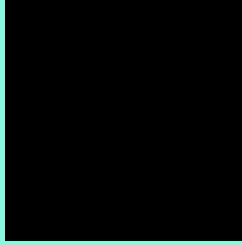
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

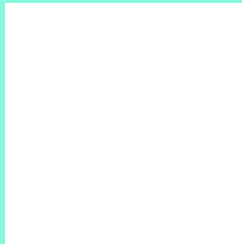
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 87F7DE Background



This preview shows how black text looks on a background with the Hex color 87F7DE.



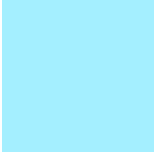
This preview shows how white text looks on a background with the Hex color 87F7DE.

# 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



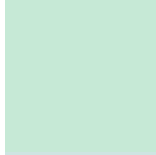


**Tritanopia**  
A4EFFF

# Trichromacy



**Original Color**  
87F7DE



**Protanomaly**  
C6E9D6



**Deuteranomaly**  
CEE5E2

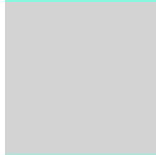


**Tritanomaly**  
99F2F3

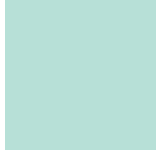
# Monochromacy



**Original Color**  
87F7DE



**Achromatopsia**  
D3D3D3



**Achromatomaly**  
B7E0D7

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87F7DE 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 #87F7DE looks like.

```
.text, #text, p{  
    color:#87F7DE  
}
```

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 #87F7DE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87F7DE
}
```

## Border

The CSS property to change the border of an element to Hex 87F7DE 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
#87F7DE }
```

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

```
.border{ border-color:#87F7DE }
```

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

Here you see how a box with a 4 pixel #87F7DE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87F7DE; -webkit-box-shadow:4px 4px  
4px 4px #87F7DE; box-shadow:4px 4px 4px  
4px #87F7DE }
```

# Background

The CSS property to change the background color of an element to Hex 87F7DE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87F7DE }
```

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

```
.background{ background-color:#87F7DE }
```

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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