

Converting Colors

Hex(87E37B)

Have a look what the booklet for
Hex(87E37B) contains.

| | |
|--|----|
| Hex(87E37B) | 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(87E37B)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 87E37B |
| RGB | 135, 227, 123 |
| RGB Percent | 53%, 89%, 48% |
| CMY | 0.4706, 0.1098, 0.5176 |
| CMYK | 0.41, 0.00, 0.46, 0.11 |
| HSL | 113°, 65%, 69% |
| HSV | 113°, 46%, 89% |
| XYZ | 41.0359, 61.5191, 28.4505 |
| YIQ | 187.6360, -21.4480, -51.8480 |

Conversions

Conversions Part 2

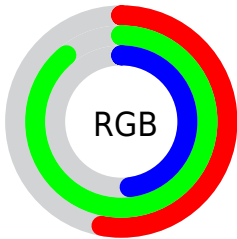
| Format | Color |
|-------------------------------------|--|
| RYB | 123, 227, 215 |
| Decimal | 8905595 |
| CIELab | 82.66, -47.34, 42.24 |
| CIELCh | 83, 63.446, 138.263 |
| Yxy | 61.5191, 0.3132, 0.4696 |
| Android (android.graphics.Color) | 4287095675 (0xFF87E37B) |
| YUV | 187.6360, -31.8655, -46.1618 |
| Hunter-Lab | 78.4341, -43.8704, 33.3976 |

Details

The Hex color **87E37B** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **D77BE3**, and the grayscale version is **BCBCBC**.

A 20% lighter version of the original color is **C0FFB1**, and **4EAB48** is the 20% darker color. If you saturate the color by 10%, you get **73E364**, and if you desaturate by 10%, it is **9BE392**.

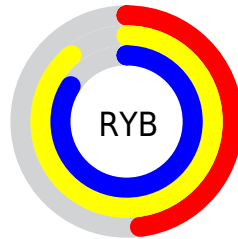
Distribution



Red (53%)

Green (89%)

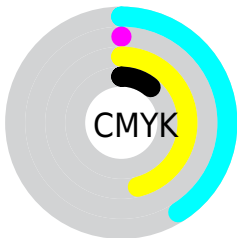
Blue (48%)



Red (48%)

Yellow (89%)

Blue (84%)

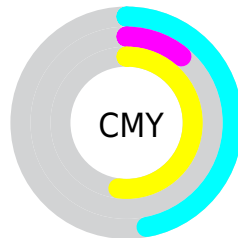


Cyan (41%)

Magenta (0%)

Yellow (46%)

Black (11%)



Cyan (47%)

Magenta (11%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87E37B 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 87E37B by changing the saturation by 10% instead.

 87E37B

 87E37B

FFFFFF

 6BC761

 C0FFB1

 4EAB48

 DDFEED

 30902E

 FBFEEA

 047613

 005C00

 004300

 002D00

 001100

 000000

 87E37B

 87E37B

 73E364

 9BE392

 5FE34E

 AFE3A8

 4BE337

 C3E3BF

 37E320

 D7E3D6

 23E30A

 EBE3EC

 1AE300

 FFE3FF

Harmonies

Analogous

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



CCD656



87E37B



00EAB3

Triad

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



87E37B



00DBFF



FF9BAC

Complementary

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



87E37B



D77BE3

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.



FF9DE8



87E37B



A9C7FF

Square

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



87E37B



00E7FF



FFAFFF



FFAC77

Rectangle

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



87E37B



00ECDD



FFAFFF



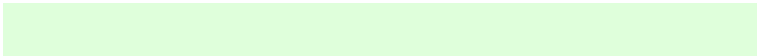
FF9ABF

Sweetspot

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



87E37B



DFFFDB



E3D77B



6C806A



000000



808080

Same Dimension

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



87E37B



83FF73



7BE3A3



697367



15B300



063300

Inverse Universe

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



D77BE3



EF73FF



E37BBB



716773



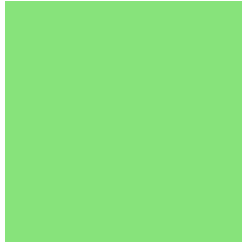
9E00B3



2D0033

Previews

White Background



This preview shows how the Hex color 87E37B looks on a white background.

Color Contrast Check

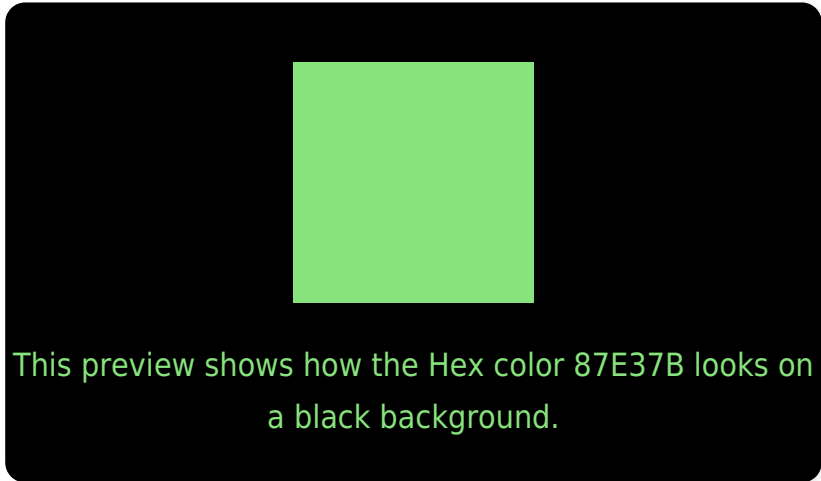
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

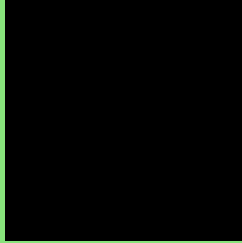
Any Text WCAG AA ✓ Pass

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 87E37B Background



This preview shows how black text looks on a background with the Hex color 87E37B.

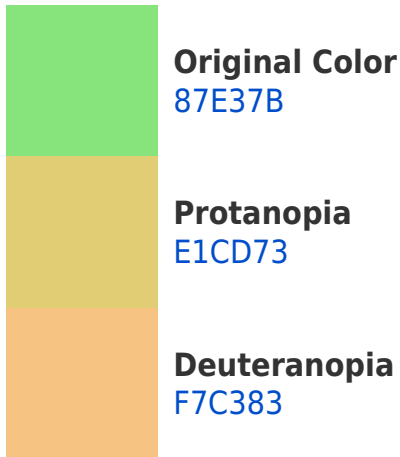


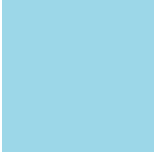
This preview shows how white text looks on a background with the Hex color 87E37B.

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



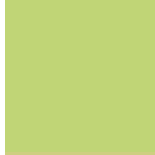


Tritanopia
9CD7E8

Trichromacy



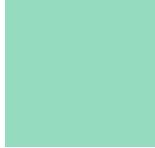
Original Color
87E37B



Protanomaly
C0D576



Deuteranomaly
CECF80



Tritanomaly
94DBC0

Monochromacy



Original Color
87E37B



Achromatopsia
BCBCBC



Achromatomaly
A9CAA4

CSS Examples

Text

The CSS property to change the color of the text to Hex 87E37B 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 #87E37B looks like.

```
.text, #text, p{  
    color:#87E37B  
}
```

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 #87E37B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87E37B
}
```

Border

The CSS property to change the border of an element to Hex 87E37B 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
#87E37B }
```

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

```
.border{ border-color:#87E37B }
```

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

Here you see how a box with a 4 pixel #87E37B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87E37B; -webkit-box-shadow:4px 4px  
4px 4px #87E37B; box-shadow:4px 4px 4px  
4px #87E37B }
```

Background

The CSS property to change the background color of an element to Hex 87E37B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87E37B }
```

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

```
.background{ background-color:#87E37B }
```

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