

Converting Colors

Hex(87E472)

Have a look what the booklet for
Hex(87E472) contains.

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Color

Hex(87E472)

Conversions

Conversions Part 1

Format	Color
Hex	87E472
RGB	135, 228, 114
RGB Percent	53%, 89%, 45%
CMY	0.4706, 0.1059, 0.5529
CMYK	0.41, 0.00, 0.50, 0.11
HSL	109°, 68%, 67%
HSV	109°, 50%, 89%
XYZ	40.7723, 61.8526, 25.7094
YIQ	187.1970, -18.8340, -55.1700

Conversions

Conversions Part 2

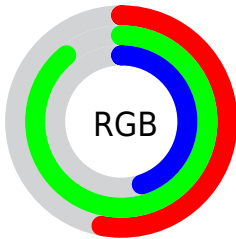
Format	Color
RYB	114, 228, 207
Decimal	8905842
CIELab	82.83, -48.92, 46.79
CIELCh	83, 67.695, 136.277
Yxy	61.8526, 0.3177, 0.4820
Android (android.graphics.Color)	4287095922 (0xFF87E472)
YUV	187.1970, -36.0861, -45.7768
Hunter-Lab	78.6464, -45.0922, 35.6707

Details

The Hex color **87E472** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **CF72E4**, and the grayscale version is **BCBCBC**.

A 20% lighter version of the original color is **C0FFA8**, and **4EAC3E** is the 20% darker color. If you saturate the color by 10%, you get **74E45B**, and if you desaturate by 10%, it is **9AE489**.

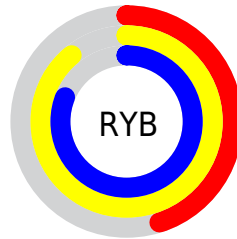
Distribution



Red (53%)

Green (89%)

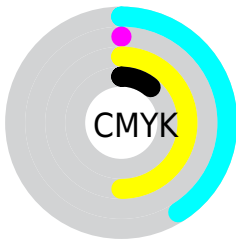
Blue (45%)



Red (45%)

Yellow (89%)

Blue (81%)

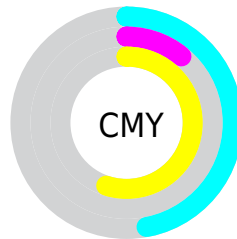


Cyan (41%)

Magenta (0%)

Yellow (50%)

Black (11%)



Cyan (47%)

Magenta (11%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87E472 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 87E472 by changing the saturation by 10% instead.

 87E472

 87E472

FFFFFF

 6BC858

 C0FFA8

 4EAC3E

 DEFFC4

 2F9124

 FBFEE0

 007602

FFFFFFD

 005D00

 004400

 002E00

 001200

 000000

 87E472

 87E472

 74E45B

 9AE489

 62E444

 ACE4A0

 4FE42E

 BFE4B6

 3DE417

 D1E4CD

 2AE400

 E4E4E4

 F7E4FB

 FFE4FF

Harmonies

Analogous

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



D0D64B



87E472



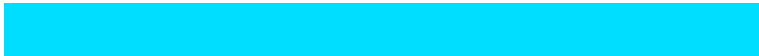
00ECAE

Triad

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



87E472



00DEFF



FF97AE

Complementary

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



87E472



CF72E4

Split Complementary

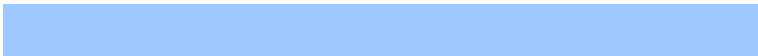
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF99EE



87E472



9DC9FF

Square

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



87E472



00E9FF



FEAFFF



FFA875

Rectangle

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



87E472



00EEDA



FEAFFF



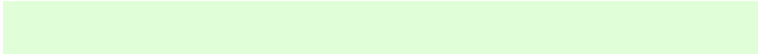
FF95C3

Sweetspot

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



87E472



E0FFD9



E4CD72



6D8069



000000



808080

Same Dimension

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



87E472



82FF66



72E494



697367



21B300



093300

Inverse Universe

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



CF72E4



E366FF



E472C2



716773



9200B3



2A0033

Previews

White Background



This preview shows how the Hex color 87E472 looks on a white background.

Color Contrast Check

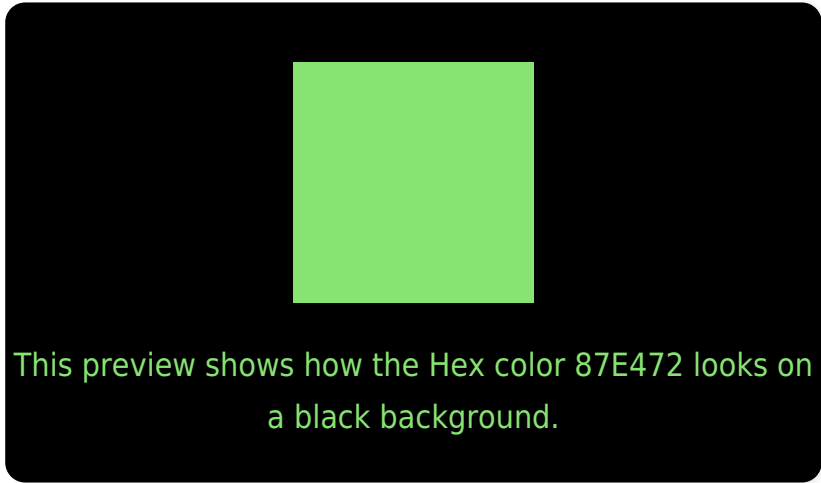
Large Text (above 18pt) WCAG AA × Fail

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 87E472 Background



This preview shows how black text looks on a background with the Hex color 87E472.

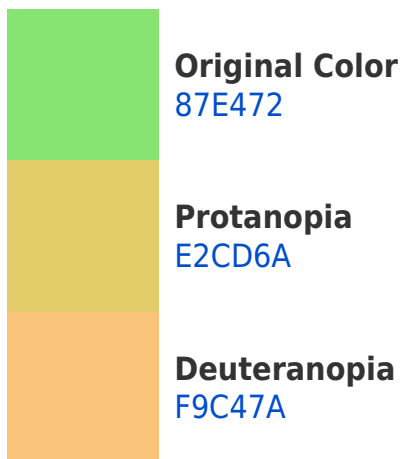


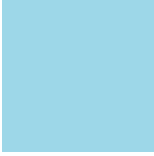
This preview shows how white text looks on a background with the Hex color 87E472.

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



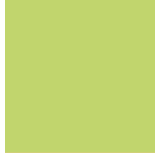


Tritanopia
9DD7E8

Trichromacy



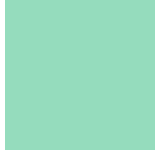
Original Color
87E472



Protanomaly
C1D56D



Deuteranomaly
D0D077

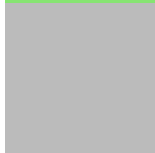


Tritanomaly
95DCBD

Monochromacy



Original Color
87E472



Achromatopsia
BBBBBB



Achromatomaly
A8CAA0

CSS Examples

Text

The CSS property to change the color of the text to Hex 87E472 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 #87E472 looks like.

```
.text, #text, p{  
    color:#87E472  
}
```

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 #87E472 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87E472
}
```

Border

The CSS property to change the border of an element to Hex 87E472 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
#87E472 }
```

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

```
.border{ border-color:#87E472 }
```

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

Here you see how a box with a 4 pixel #87E472 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87E472; -webkit-box-shadow:4px 4px  
4px 4px #87E472; box-shadow:4px 4px 4px  
4px #87E472 }
```

Background

The CSS property to change the background color of an element to Hex 87E472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87E472 }
```

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

```
.background{ background-color:#87E472 }
```

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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