

Converting Colors

Hex(87DE6B)

Have a look what the booklet for
Hex(87DE6B) contains.

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Color

Hex(87DE6B)

Conversions

Conversions Part 1

Format	Color
Hex	87DE6B
RGB	135, 222, 107
RGB Percent	53%, 87%, 42%
CMY	0.4706, 0.1294, 0.5804
CMYK	0.39, 0.00, 0.52, 0.13
HSL	105°, 64%, 65%
HSV	105°, 52%, 87%
XYZ	38.7668, 58.4550, 23.1496
YIQ	182.8770, -14.9370, -54.2090

Conversions

Conversions Part 2

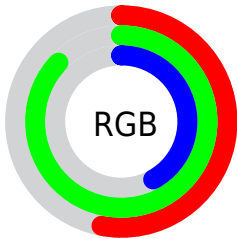
Format	Color
RYB	107, 222, 194
Decimal	8904299
CIELab	80.99, -47.26, 47.86
CIELCh	81, 67.260, 134.641
Yxy	58.4550, 0.3221, 0.4856
Android (android.graphics.Color)	4287094379 (0xFF87DE6B)
YUV	182.8770, -37.4074, -41.9881
Hunter-Lab	76.4559, -43.2897, 35.5670

Details

The Hex color **87DE6B** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **C26BDE**, and the grayscale version is **B7B7B7**.

A 20% lighter version of the original color is **C0FFA1**, and **4EA637** is the 20% darker color. If you saturate the color by 10%, you get **76DE55**, and if you desaturate by 10%, it is **98DE81**.

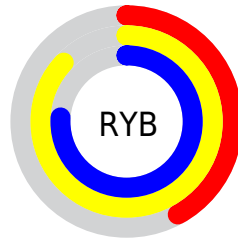
Distribution



Red (53%)

Green (87%)

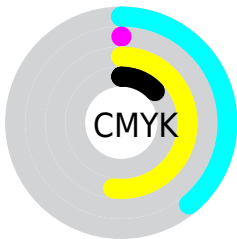
Blue (42%)



Red (42%)

Yellow (87%)

Blue (76%)

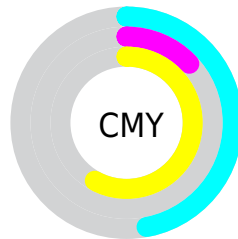


Cyan (39%)

Magenta (0%)

Yellow (52%)

Black (13%)



Cyan (47%)

Magenta (13%)

Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Hex color 87DE6B 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 87DE6B by changing the saturation by 10% instead.

 87DE6B

 87DE6B

FFFFFF

 6BC251

 C0FFA1

 4EA637

 DDFBFC

 308B1B

 FBFFD9

 057100

 FFFFF6

 005800

 003F00

 002A00

 000700

 000000

 87DE6B

 87DE6B

 76DE55

 98DE81

 65DE3F

 A9DE97

 55DE28

 B9DEAE

 44DE12

 CADEC4

 36DE00

 DBDEDA

 ECDEF0

 FDDEFF

 FFDEFF

Harmonies

Analogous

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



CECF46



87DE6B



00E6A6

Triad

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



87DE6B



00D9FF



FF91AD

Complementary

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



87DE6B



C26BDE

Split Complementary

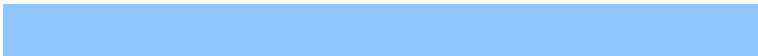
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF95EC



87DE6B



90C5FF

Square

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



87DE6B



00E4FF



F5ACFF



FFA273

Rectangle

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



87DE6B



00E8D1



F5ACFF



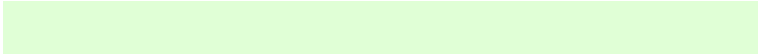
FF90C2

Sweetspot

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



87DE6B



E0FFD6



DEC16B



6D8067



000000



808080

Same Dimension

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



87DE6B



87FF61



6BDE88



687065



2BB000



0C3000

Inverse Universe

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



C26BDE



D961FF



DE6BC1



6D6570



8500B0



250030

Previews

White Background



This preview shows how the Hex color 87DE6B looks on a white background.

Color Contrast Check

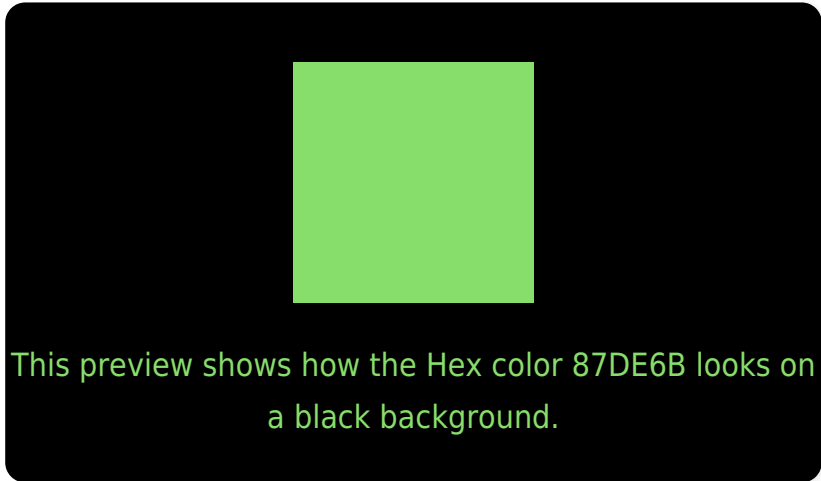
Large Text (above 18pt) WCAG AA × Fail

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

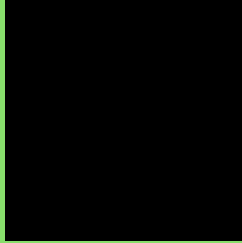
Any Text WCAG AA ✓ Pass

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 87DE6B Background



This preview shows how black text looks on a background with the Hex color 87DE6B.

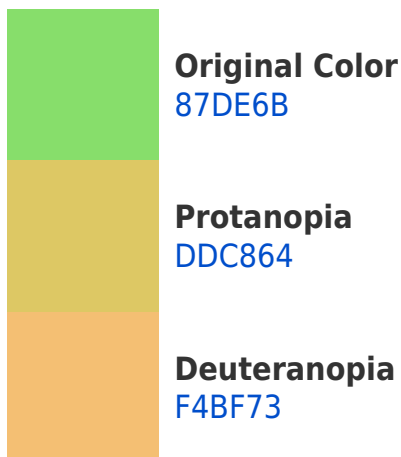


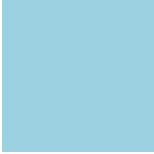
This preview shows how white text looks on a background with the Hex color 87DE6B.

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



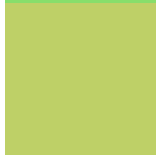


Tritanopia
9CD1E2

Trichromacy



Original Color
87DE6B



Protanomaly
BED067



Deuteranomaly
CCCA70



Tritanomaly
94D6B7

Monochromacy



Original Color
87DE6B



Achromatopsia
B7B7B7



Achromatomaly
A6C59B

CSS Examples

Text

The CSS property to change the color of the text to Hex 87DE6B 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 #87DE6B looks like.

```
.text, #text, p{  
    color:#87DE6B  
}
```

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 #87DE6B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87DE6B
}
```

Border

The CSS property to change the border of an element to Hex 87DE6B 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
#87DE6B }
```

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

```
.border{ border-color:#87DE6B }
```

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

Here you see how a box with a 4 pixel #87DE6B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87DE6B; -webkit-box-shadow:4px 4px  
4px 4px #87DE6B; box-shadow:4px 4px 4px  
4px #87DE6B }
```

Background

The CSS property to change the background color of an element to Hex 87DE6B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87DE6B }
```

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

```
.background{ background-color:#87DE6B }
```

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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