

# Converting Colors

Hex(87D16E)

Have a look what the booklet for  
Hex(87D16E) contains.

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# **Color**

**Hex(87D16E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87D16E
RGB	135, 209, 110
RGB Percent	53%, 82%, 43%
CMY	0.4706, 0.1804, 0.5686
CMYK	0.35, 0.00, 0.47, 0.18
HSL	105°, 52%, 63%
HSV	105°, 47%, 82%
XYZ	35.6066, 51.8776, 22.8886
YIQ	175.5880, -12.3250, -46.4770

# Conversions

## Conversions Part 2

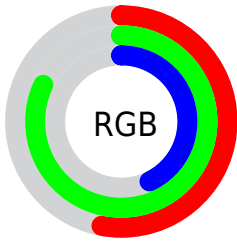
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 209, 184
Decimal	8900974
CIELab	77.21, -41.32, 41.78
CIELCh	77, 58.762, 134.677
Yxy	51.8776, 0.3226, 0.4700
Android (android.graphics.Color)	4287091054 (0xFF87D16E)
YUV	175.5880, -32.3349, -35.5957
Hunter-Lab	72.0261, -37.8030, 31.5770

# Details

The Hex color **87D16E** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **B86ED1**, and the grayscale version is **B0B0B0**.

A 20% lighter version of the original color is **BFFFA3**, and **509A3B** is the 20% darker color. If you saturate the color by 10%, you get **77D159**, and if you desaturate by 10%, it is **97D183**.

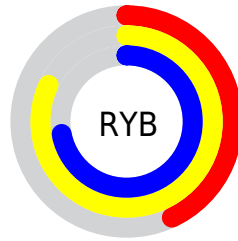
# Distribution



Red (53%)

Green (82%)

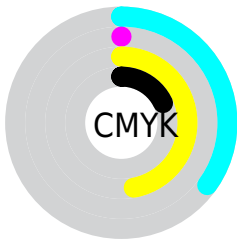
Blue (43%)



Red (43%)

Yellow (82%)

Blue (72%)

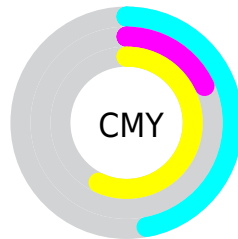


Cyan (35%)

Magenta (0%)

Yellow (47%)

Black (18%)



Cyan (47%)

Magenta (18%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87D16E 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 87D16E by changing the saturation by 10% instead.



 87D16E

 87D16E

FFFFFF

 6CB554

 BFFFA3

 509A3B

 DCFFBF

 348022

 F9FFDB

 146603

 FFFFF8

 004D00

 003500

 002100

 000000

 87D16E

 87D16E

 77D159

 97D183

 68D144

 A6D198

 58D12F

 B6D1AD

 49D11A

 C5D1C2

 39D106

 D5D1D7

 35D100

 E5D1EB

 F4D1FF

 FFD1FF

# Harmonies

## Analogous

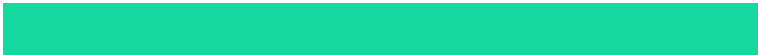
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



C4C450



87D16E



15D8A0

# Triad

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



87D16E



00CCFF



FF90A6

# Complementary

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



87D16E



B86ED1

# 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.



FF94DD



87D16E



92BBFF

# Square

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



87D16E



00D7FF



E5A6FF



FF9E74

# Rectangle

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



87D16E



00DAC6



E5A6FF



FF8FB8

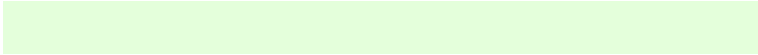


# Sweetspot

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



87D16E



E4FFDB



D1B76E



6F806A



000000



808080



# Same Dimension

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



87D16E



92FF6E



6ED185



61695E



2BA800



0A2900



# Inverse Universe

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



B86ED1



DA6EFF



D16EBA



665E69



7E00A8



1E0029



# Previews

## White Background



This preview shows how the Hex color 87D16E looks on a white background.

## Color Contrast Check

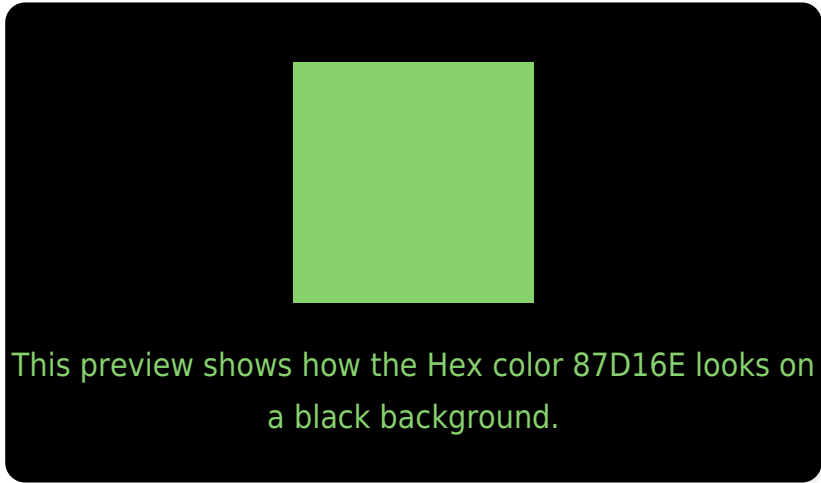
Large Text (above 18pt) WCAG AA × Fail

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

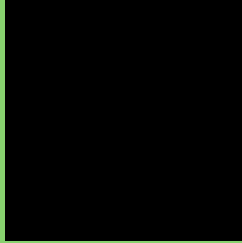
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 87D16E Background



This preview shows how black text looks on a background with the Hex color 87D16E.

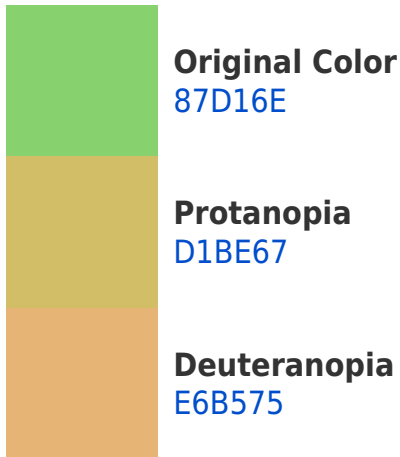


This preview shows how white text looks on a background with the Hex color 87D16E.

# 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](#).

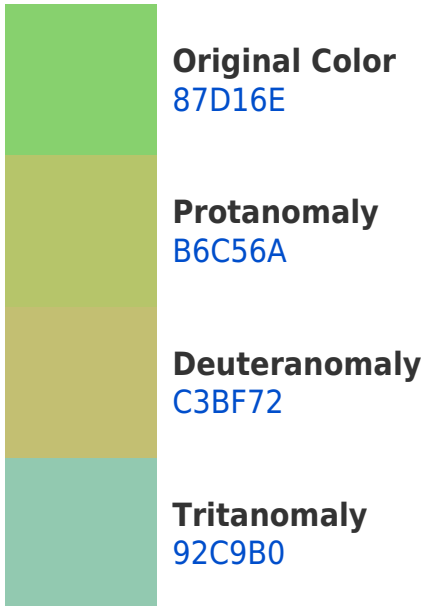
## Dichromacy



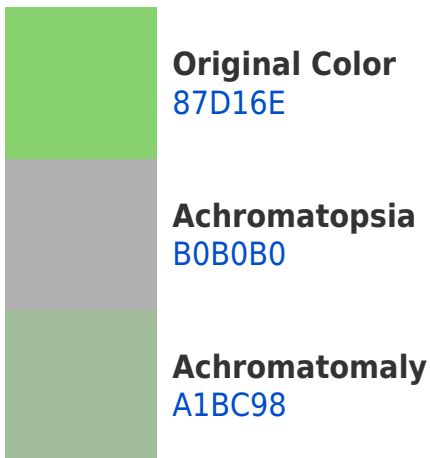


**Tritanopia**  
99C5D5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87D16E 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 #87D16E looks like.

```
.text, #text, p{  
    color:#87D16E  
}
```

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 #87D16E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87D16E
}
```

## Border

The CSS property to change the border of an element to Hex 87D16E 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
#87D16E }
```

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

```
.border{ border-color:#87D16E }
```

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

Here you see how a box with a 4 pixel #87D16E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87D16E; -webkit-box-shadow:4px 4px  
4px 4px #87D16E; box-shadow:4px 4px 4px  
4px #87D16E }
```

# Background

The CSS property to change the background color of an element to Hex 87D16E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87D16E }
```

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

```
.background{ background-color:#87D16E }
```

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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