

# Converting Colors

Hex(87B34F)

Have a look what the booklet for  
Hex(87B34F) contains.

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**Color**

**Hex(87B34F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	87B34F
RGB	135, 179, 79
RGB Percent	53%, 70%, 31%
CMY	0.4706, 0.2980, 0.6902
CMYK	0.25, 0.00, 0.56, 0.30
HSL	86°, 40%, 51%
HSV	86°, 56%, 70%
XYZ	27.5231, 37.9556, 13.2727
YIQ	154.4440, 5.8760, -40.4280

# Conversions

## Conversions Part 2

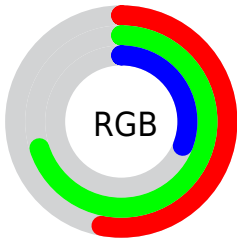
<b>Format</b>	<b>Color</b>
<b>RYB</b>	79, 179, 123
Decimal	8893263
CIELab	67.99, -31.22, 45.64
CIElCh	68, 55.299, 124.377
Yxy	37.9556, 0.3495, 0.4820
Android (android.graphics.Color)	4287083343 (0xFF87B34F)
YUV	154.4440, -37.1939, -17.0524
Hunter-Lab	61.6081, -28.0704, 30.3524

# Details

The Hex color **87B34F** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **7B4FB3**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **BEEB83**, and **527E1B** is the 20% darker color. If you saturate the color by 10%, you get **7FB33D**, and if you desaturate by 10%, it is **8FB361**.

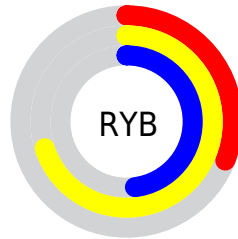
# Distribution



Red (53%)

Green (70%)

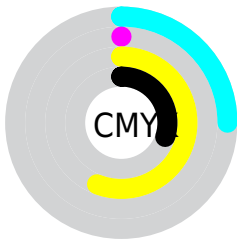
Blue (31%)



Red (31%)

Yellow (70%)

Blue (48%)

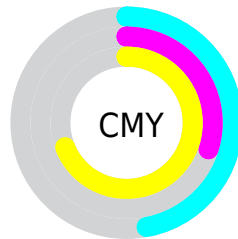


Cyan (25%)

Magenta (0%)

Yellow (56%)

Black (30%)



Cyan (47%)

Magenta (30%)

Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87B34F 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 87B34F by changing the saturation by 10% instead.



 87B34F

 87B34F

FFFFFF

 6C9836

 BEEB83

 527E1B

 DBFF9E

 386500

 F8FFBA

 1E4C00

 FFFFD6

 003500

 FFFFF3

 002200

 000000

 87B34F

 87B34F

 7FB33D

 8FB361

 77B32B

 97B373

 6FB319

 9FB385

 67B307

 A7B397

 64B300

 AEB3A9

 B6B3BA

 BEB3CC

 C6B3DE

 CEB3F0

# Harmonies

## Analogous

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



BBA53C



87B34F



3DBB79

# Triad

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



87B34F



00B6FF



FF79A0

# Complementary

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



87B34F



7B4FB3

# 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.



E982D2



87B34F



52A9FF

# Square

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



87B34F



00BDDD



B296F8



FD8170

# Rectangle

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



87B34F



00BE9A



B296F8



FC7BB1

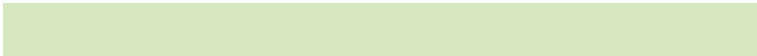


# Sweetspot

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



87B34F



D7E8C1



B37A4F



6B755E



F5F5F5



757575



# Same Dimension

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



87B34F



A4E84D



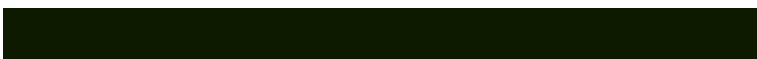
56B34F



555950



569900



0E1A00



# Inverse Universe

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



7B4FB3



914DE8



AC4FB3



545059



430099



0B001A



# Previews

## White Background



This preview shows how the Hex color 87B34F looks on a white background.

## Color Contrast Check

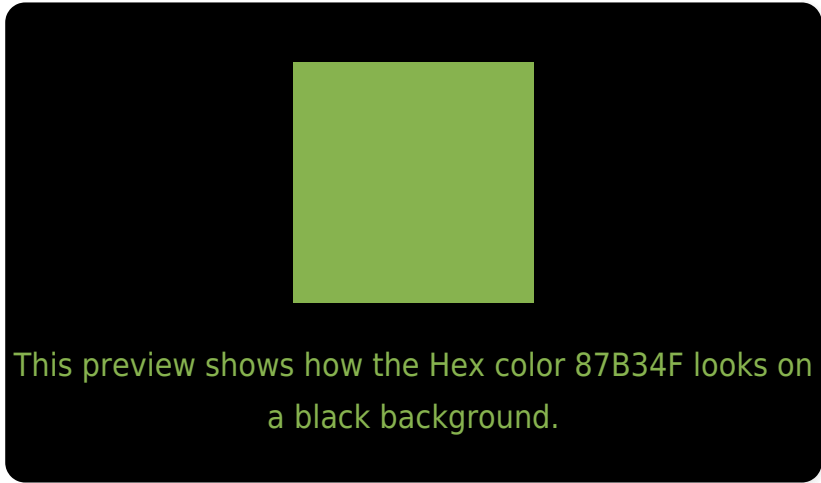
Large Text (above 18pt) WCAG AA × Fail

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 87B34F Background



This preview shows how black text looks on a background with the Hex color 87B34F.



This preview shows how white text looks on a background with the Hex color 87B34F.

# 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



**Original Color**  
87B34F

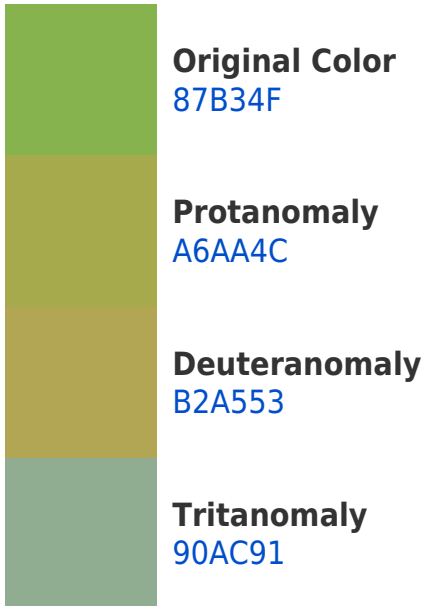
**Protanopia**  
B7A54B

**Deuteranopia**  
CB9D55

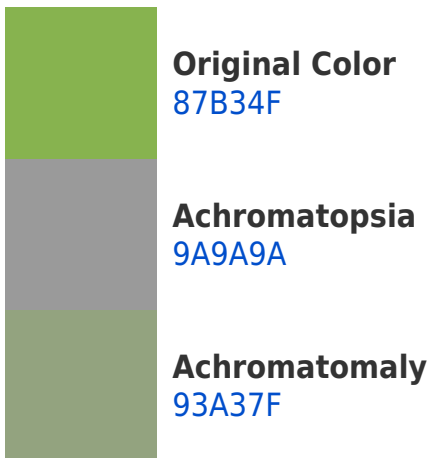


**Tritanopia**  
95A8B6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87B34F 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 #87B34F looks like.

```
.text, #text, p{  
    color:#87B34F  
}
```

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 #87B34F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87B34F
}
```

## Border

The CSS property to change the border of an element to Hex 87B34F 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
#87B34F }
```

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

```
.border{ border-color:#87B34F }
```

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

Here you see how a box with a 4 pixel #87B34F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87B34F; -webkit-box-shadow:4px 4px  
4px 4px #87B34F; box-shadow:4px 4px 4px  
4px #87B34F }
```

# Background

The CSS property to change the background color of an element to Hex 87B34F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87B34F }
```

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

```
.background{ background-color:#87B34F }
```

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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