

Converting Colors

Hex(83E74B)

Have a look what the booklet for
Hex(83E74B) contains.

Hex(83E74B)	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(83E74B)

Conversions

Conversions Part 1

Format	Color
Hex	83E74B
RGB	131, 231, 75
RGB Percent	51%, 91%, 29%
CMY	0.4863, 0.0941, 0.7059
CMYK	0.43, 0.00, 0.68, 0.09
HSL	98°, 76%, 60%
HSV	98°, 68%, 91%
XYZ	39.2060, 62.4851, 16.6511
YIQ	183.3160, -9.5240, -69.7160

Conversions

Conversions Part 2

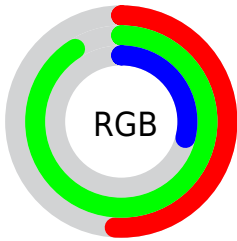
Format	Color
RYB	75, 231, 175
Decimal	8644427
CIELab	83.17, -55.26, 64.03
CIELCh	83, 84.581, 130.795
Yxy	62.4851, 0.3313, 0.5280
Android (android.graphics.Color)	4286834507 (0xFF83E74B)
YUV	183.3160, -53.3998, -45.8811
Hunter-Lab	79.0475, -49.8008, 42.8440

Details

The Hex color **83E74B** is a dark color, and the websafe version is hex **99FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **AF4BE7**, and the grayscale version is **B8B8B8**.

A 20% lighter version of the original color is **BEFF83**, and **46AF00** is the 20% darker color. If you saturate the color by 10%, you get **74E734**, and if you desaturate by 10%, it is **92E762**.

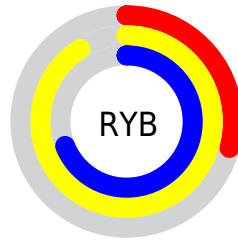
Distribution



Red (51%)

Green (91%)

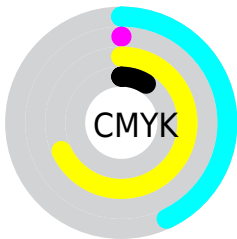
Blue (29%)



Red (29%)

Yellow (91%)

Blue (69%)

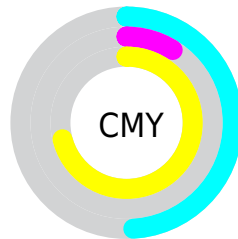


Cyan (43%)

Magenta (0%)

Yellow (68%)

Black (9%)



Cyan (49%)

Magenta (9%)

Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Hex color 83E74B 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 83E74B by changing the saturation by 10% instead.

 83E74B

 83E74B

FFFFFF

 65CA2D

 BEFF83

 46AF00

 DCFF9F

 229300

 FAFFBB

 007900

 FFFFD8

 005F00

 FFFFF6

 004600

 003000

 001300

 000000

 83E74B

 83E74B

 74E734

 92E762

 65E71D

 A1E779

 57E706

 AFE790

 53E700

 BEE7A7

 CDE7BF

 DCE7D6

 EBE7ED

 F9E7FF

 FFE7FF

Harmonies

Analogous

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



DBD500



83E74B



00F198

Triad

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



83E74B



00E6FF



FF7FB6

Complementary

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



83E74B



AF4BE7

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.



FF8AFF



83E74B



4CCFFF

Square

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



83E74B



00F2FF



F7ADFF



FF966B

Rectangle

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



83E74B



00F4CF



F7ADFF



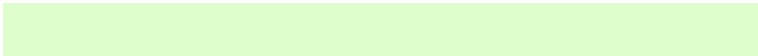
FF7FD0

Sweetspot

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



83E74B



DEFFCC



E7AE4B



6C8061



000000



808080

Same Dimension

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



83E74B



7BFF30



4BE760



6B7367



40B300



123300

Inverse Universe

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



AF4BE7



B530FF



E74BD2



6F6773



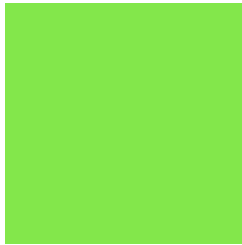
7200B3



210033

Previews

White Background



This preview shows how the Hex color 83E74B looks on a white background.

Color Contrast Check

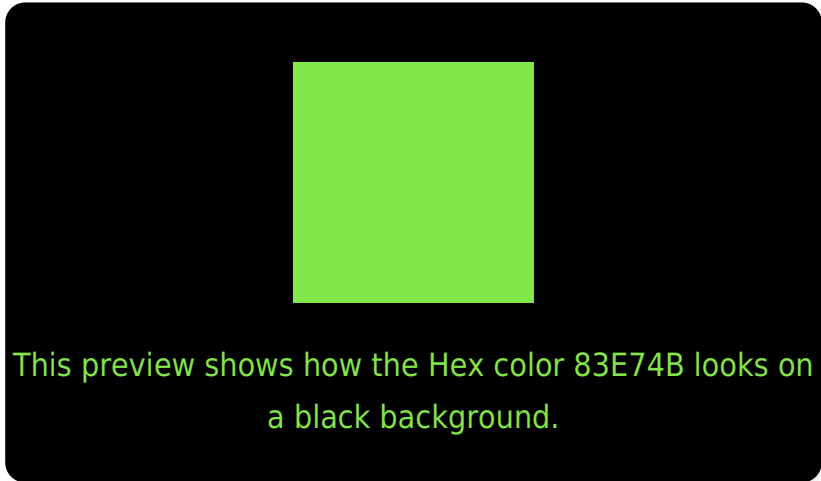
Large Text (above 18pt) WCAG AA × Fail

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 83E74B Background



This preview shows how black text looks on a background with the Hex color 83E74B.

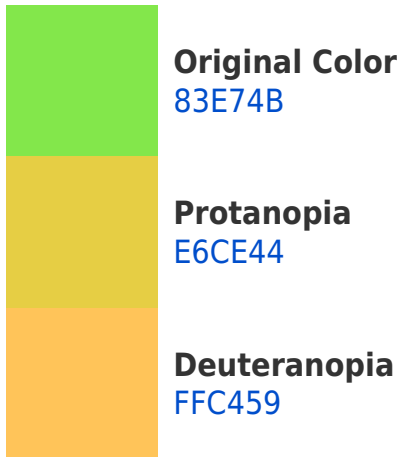


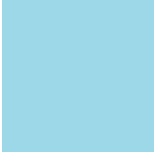
This preview shows how white text looks on a background with the Hex color 83E74B.

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
9DD8E9

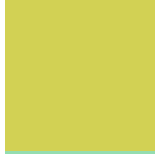
Trichromacy



Original Color
83E74B



Protanomaly
C2D747



Deuteranomaly
D2D154

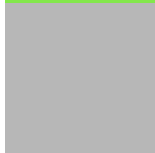


Tritanomaly
94DDB0

Monochromacy



Original Color
83E74B



Achromatopsia
B7B7B7



Achromatomaly
A4C890

CSS Examples

Text

The CSS property to change the color of the text to Hex 83E74B 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 #83E74B looks like.

```
.text, #text, p{  
    color:#83E74B  
}
```

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 #83E74B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83E74B
}
```

Border

The CSS property to change the border of an element to Hex 83E74B 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
#83E74B }
```

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

```
.border{ border-color:#83E74B }
```

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

Here you see how a box with a 4 pixel #83E74B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83E74B; -webkit-box-shadow:4px 4px  
4px 4px #83E74B; box-shadow:4px 4px 4px  
4px #83E74B }
```

Background

The CSS property to change the background color of an element to Hex 83E74B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83E74B }
```

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

```
.background{ background-color:#83E74B }
```

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