

# Converting Colors

Hex(83B86E)

Have a look what the booklet for  
Hex(83B86E) contains.

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# **Color**

**Hex(83B86E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83B86E
RGB	131, 184, 110
RGB Percent	51%, 72%, 43%
CMY	0.4863, 0.2784, 0.5686
CMYK	0.29, 0.00, 0.40, 0.28
HSL	103°, 34%, 58%
HSV	103°, 40%, 72%
XYZ	29.3150, 40.2321, 20.9724
YIQ	159.7170, -7.8340, -34.2500

# Conversions

## Conversions Part 2

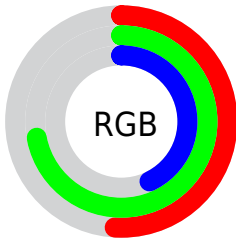
<b>Format</b>	<b>Color</b>
<b>RYB</b>	110, 184, 163
Decimal	8632430
CIELab	69.63, -31.29, 32.14
CIELCh	70, 44.860, 134.232
Yxy	40.2321, 0.3239, 0.4445
Android (android.graphics.Color)	4286822510 (0xFF83B86E)
YUV	159.7170, -24.5105, -25.1848
Hunter-Lab	63.4287, -28.5025, 24.7962

# Details

The Hex color **83B86E** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **A36EB8**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **BAF0A2**, and **4F833D** is the 20% darker color. If you saturate the color by 10%, you get **76B85C**, and if you desaturate by 10%, it is **90B880**.

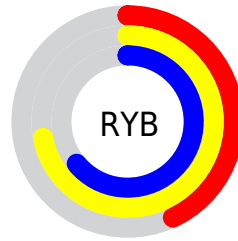
# Distribution



Red (51%)

Green (72%)

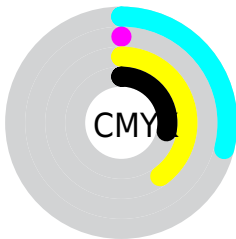
Blue (43%)



Red (43%)

Yellow (72%)

Blue (64%)

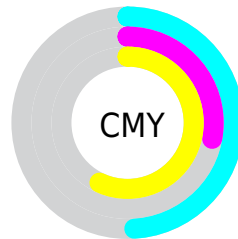


Cyan (29%)

Magenta (0%)

Yellow (40%)

Black (28%)



Cyan (49%)

Magenta (28%)

Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83B86E 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 83B86E by changing the saturation by 10% instead.





83B86E



83B86E

FFFFFF



699D55



BAF0A2



4F833D



D6FFBE



356925



F3FFDA



1B510D



FFFFFF7



003900



002400



000000



83B86E



83B86E



76B85C



90B880

 69B849

 9DB893

 5BB837

 ABB8A5

 4EB824

 B8B8B8

 41B812

 C5B8CA

 34B800

 D2B8DC

 DFB8EF

 ECB8FF

 FAB8FF

# Harmonies

## Analogous

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



B0AE59



83B86E



49BE93

# Triad

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



83B86E



31B4F8



F88998

# Complementary

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



83B86E



A36EB8

# 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.



EB8CC1



83B86E



8CA8F9

# Square

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



83B86E



00BCE2



C798E5



EF9273

# Rectangle

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



83B86E



00BFAF



C798E5



F689A6



# Sweetspot

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



83B86E



DBF0D3



B8A26E



6C7867



F7F7F7



787878



# Same Dimension

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



83B86E



9DF07D



6EB87D



555C53



2C9C00



081C00



# Inverse Universe

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



A36EB8



CF7DF0



B86EA9



59535C



6F009C



14001C



# Previews

## White Background



This preview shows how the Hex color 83B86E looks on a white background.

## Color Contrast Check

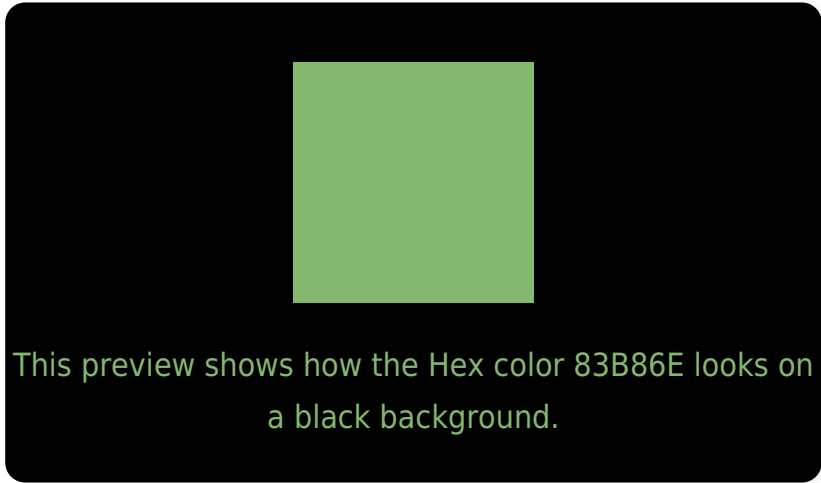
Large Text (above 18pt) WCAG AA × Fail

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 83B86E Background



This preview shows how black text looks on a background with the Hex color 83B86E.

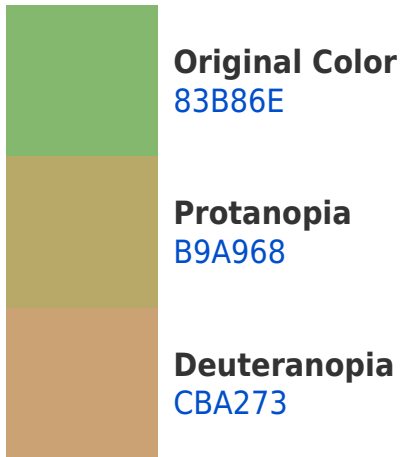


This preview shows how white text looks on a background with the Hex color 83B86E.

# 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](#).

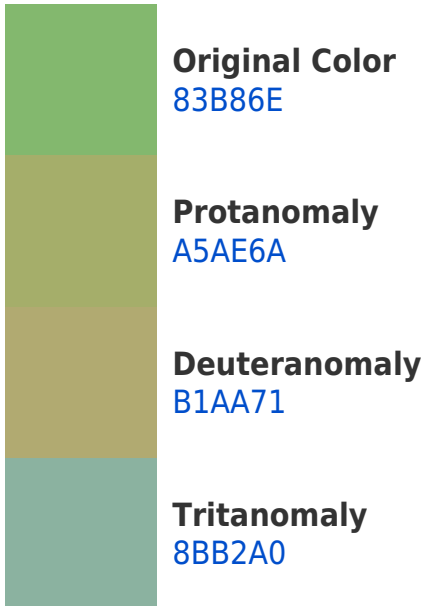
## Dichromacy



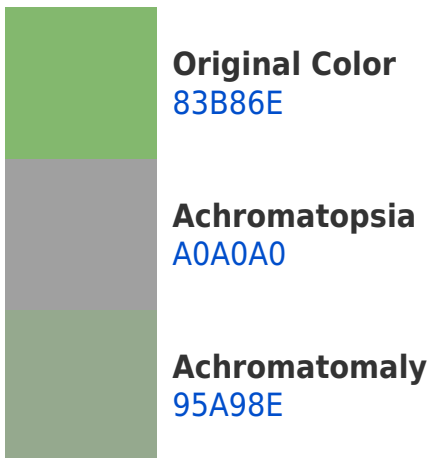


**Tritanopia**  
90AFBD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83B86E 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 #83B86E looks like.

```
.text, #text, p{  
    color:#83B86E  
}
```

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 #83B86E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83B86E
}
```

## Border

The CSS property to change the border of an element to Hex 83B86E 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
#83B86E }
```

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

```
.border{ border-color:#83B86E }
```

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

Here you see how a box with a 4 pixel #83B86E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83B86E; -webkit-box-shadow:4px 4px  
4px 4px #83B86E; box-shadow:4px 4px 4px  
4px #83B86E }
```

# Background

The CSS property to change the background color of an element to Hex 83B86E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83B86E }
```

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

```
.background{ background-color:#83B86E }
```

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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