

# Converting Colors

Hex(83C53E)

Have a look what the booklet for  
Hex(83C53E) contains.

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**Color**

**Hex(83C53E)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 83C53E                     |
| RGB         | 131, 197, 62               |
| RGB Percent | 51%, 77%, 24%              |
| CMY         | 0.4863, 0.2275, 0.7569     |
| CMYK        | 0.34, 0.00, 0.69, 0.23     |
| HSL         | 89°, 54%, 51%              |
| HSV         | 89°, 69%, 77%              |
| XYZ         | 30.1958, 45.1056, 11.6722  |
| YIQ         | 161.8760, 3.9990, -55.9770 |

# Conversions

## Conversions Part 2

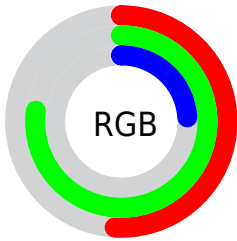
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">62, 197, 128</a>                 |
| Decimal                             | <a href="#">8635710</a>                      |
| CIELab                              | <a href="#">72.96, -42.28, 58.37</a>         |
| CIELCh                              | <a href="#">73, 72.078, 125.918</a>          |
| Yxy                                 | <a href="#">45.1056, 0.3472, 0.5186</a>      |
| Android<br>(android.graphics.Color) | <a href="#">4286825790<br/>(0xFF83C53E)</a>  |
| YUV                                 | <a href="#">161.8760, -49.2389, -27.0783</a> |
| Hunter-Lab                          | <a href="#">67.1607, -37.2766, 36.7082</a>   |

# Details

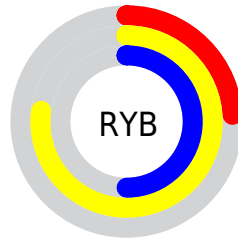
The Hex color **83C53E** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **803EC5**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **BCFE75**, and **4B8F00** is the 20% darker color. If you saturate the color by 10%, you get **79C52A**, and if you desaturate by 10%, it is **8DC552**.

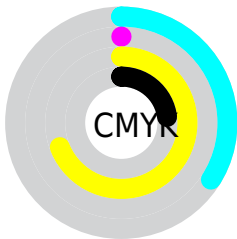
# Distribution



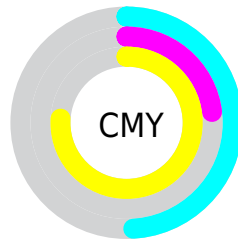
- Red (51%)
- Green (77%)
- Blue (24%)



- Red (24%)
- Yellow (77%)
- Blue (50%)



- Cyan (34%)
- Magenta (0%)
- Yellow (69%)
- Black (23%)



- Cyan (49%)
- Magenta (23%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83C53E 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 83C53E by changing the saturation by 10% instead.





83C53E



83C53E

FFFFFF



67A920



BCFE75



4B8F00



D9FF90



2E7500



F7FFAC



095B00



FFFFC8



004300



FFFFE5



002D00



001200



000000



83C53E



83C53E

 79C52A

 8DC552

 70C517

 96C565

 66C503

 A0C579

 65C500

 AAC58D

 B3C5A1

 BDC5B4

 C6C5C8

 D0C5DC

 DAC5EF

# Harmonies

## Analogous

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



C8B418



83C53E



00CF7A

# Triad

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



83C53E



00C8FF



FF72A9

# Complementary

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



83C53E



803EC5

# 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.



FF7FEA



83C53E



0EB6FF

# Square

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



83C53E



00D1FF



C69CFF



FF8169

# Rectangle

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



83C53E



00D2A8



C69CFF



FF73BF

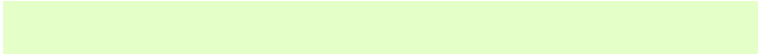


# Sweetspot

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



83C53E



E5FFC9



C57F3E



708060



000000



808080



# Same Dimension

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



83C53E



99FF2E



40C53E



5F635A



53A300



122400



# Inverse Universe

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



803EC5



942EFF



C33EC5



5E5A63



5000A3



110024



# Previews

## White Background



This preview shows how the Hex color 83C53E looks on a white background.

## Color Contrast Check

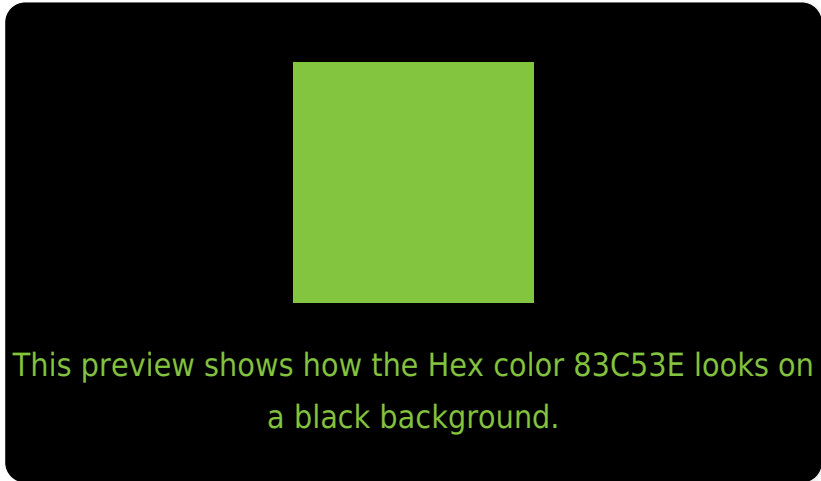
Large Text (above 18pt) WCAG AA × Fail

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 83C53E Background



This preview shows how black text looks on a background with the Hex color 83C53E.

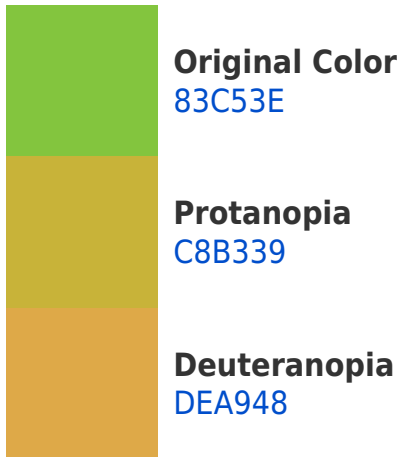


This preview shows how white text looks on a background with the Hex color 83C53E.

# 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](#).

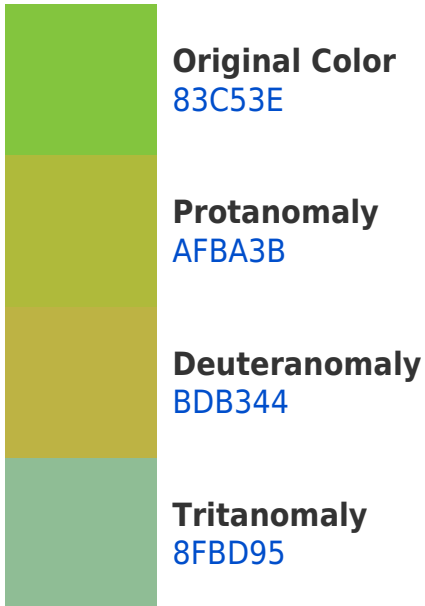
## Dichromacy



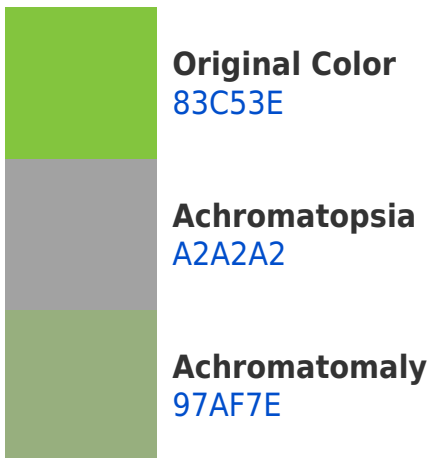


**Tritanopia**  
96B8C7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83C53E 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 #83C53E looks like.

```
.text, #text, p{  
    color:#83C53E  
}
```

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 #83C53E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83C53E
}
```

## Border

The CSS property to change the border of an element to Hex 83C53E 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
#83C53E }
```

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

```
.border{ border-color:#83C53E }
```

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

Here you see how a box with a 4 pixel #83C53E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83C53E; -webkit-box-shadow:4px 4px  
4px 4px #83C53E; box-shadow:4px 4px 4px  
4px #83C53E }
```

# Background

The CSS property to change the background color of an element to Hex 83C53E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83C53E }
```

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

```
.background{ background-color:#83C53E }
```

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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