

# Converting Colors

Hex(83CE40)

Have a look what the booklet for  
Hex(83CE40) contains.

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**Color**

**Hex(83CE40)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83CE40
RGB	131, 206, 64
RGB Percent	51%, 81%, 25%
CMY	0.4863, 0.1922, 0.7490
CMYK	0.36, 0.00, 0.69, 0.19
HSL	92°, 59%, 53%
HSV	92°, 69%, 81%
XYZ	32.3568, 49.3381, 12.6683
YIQ	167.3870, 0.8820, -60.0620

# Conversions

## Conversions Part 2

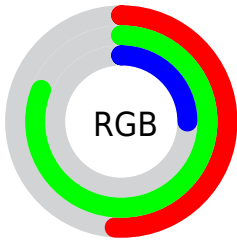
Format	Color
<a href="#">RYB</a>	<a href="#">64, 206, 139</a>
Decimal	<a href="#">8638016</a>
CIELab	<a href="#">75.66, -45.97, 60.40</a>
CIELCh	<a href="#">76, 75.902, 127.274</a>
Yxy	<a href="#">49.3381, 0.3429, 0.5229</a>
Android (android.graphics.Color)	<a href="#">4286828096 (0xFF83CE40)</a>
YUV	<a href="#">167.3870, -50.9698, -31.9114</a>
Hunter-Lab	<a href="#">70.2411, -40.6952, 38.4755</a>

# Details

The Hex color **83CE40** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **8B40CE**, and the grayscale version is **A8A8A8**.

A 20% lighter version of the original color is **BCFF77**, and **4A9700** is the 20% darker color. If you saturate the color by 10%, you get **78CE2B**, and if you desaturate by 10%, it is **8ECE55**.

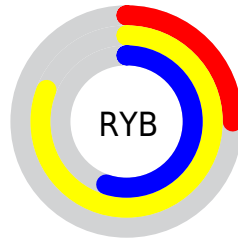
# Distribution



Red (51%)

Green (81%)

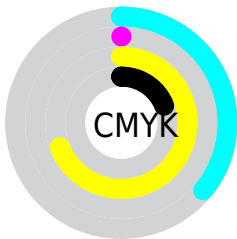
Blue (25%)



Red (25%)

Yellow (81%)

Blue (55%)

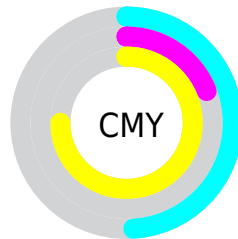


Cyan (36%)

Magenta (0%)

Yellow (69%)

Black (19%)



Cyan (49%)

Magenta (19%)

Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83CE40 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 83CE40 by changing the saturation by 10% instead.



 83CE40

 83CE40

FFFFFF

 67B222


 BCFF77

 4A9700

 DAFF93

 2B7D00

 F7FFAF

 006300

 FFFFEB

 004A00

 FFFFEB

 003300

 001C00

 000000

 83CE40

 83CE40

 78CE2B

 8ECE55

 6DCE17

 99CE69

 62CE02

 A4CE7E

 61CE00

 AFCE92

 B9CEA7

 C4CEBC

 CFCED0

 DACEE5

 E5CEF9

# Harmonies

## Analogous

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



CEBD10



83CE40



00D881

# Triad

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



83CE40



00D0FF



FF75AC

# Complementary

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



83CE40



8B40CE

# 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.



FF82F2



83CE40



1EBDFF

# Square

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



83CE40



00D9FF



D3A0FF



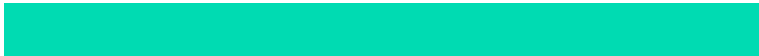
FF8669

# Rectangle

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



83CE40



00DBB2



D3A0FF



FF76C4

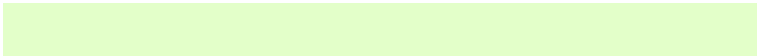


# Sweetspot

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



83CE40



E3FFC9



CE8940



6F8060



000000



808080



# Same Dimension

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



83CE40



8FFF2B



40CE42



61665C



4EA600



122600



# Inverse Universe

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



8B40CE



9B2BFF



CE40CC



615C66



5800A6



140026



# Previews

## White Background



This preview shows how the Hex color 83CE40 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



This preview shows how the Hex color 83CE40 looks on a 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 83CE40 Background



This preview shows how black text looks on a background with the Hex color 83CE40.

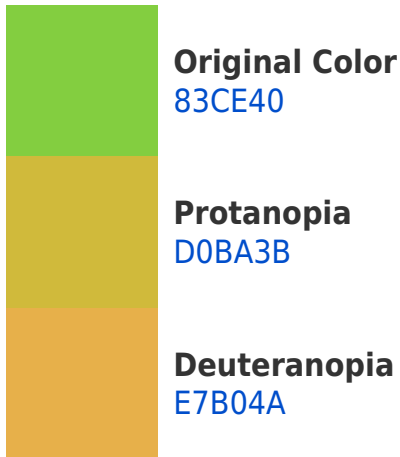


This preview shows how white text looks on a background with the Hex color 83CE40.

# 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](#).

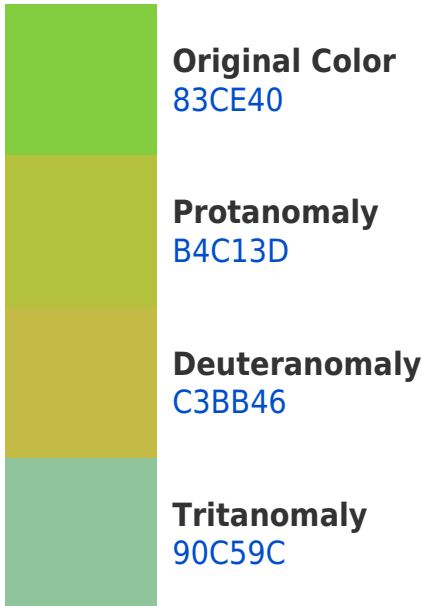
## Dichromacy



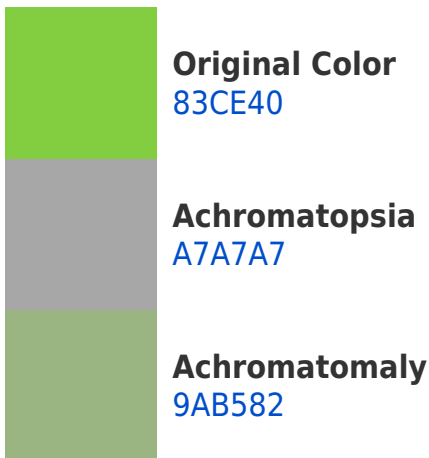


**Tritanopia**  
98C0D0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83CE40 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 #83CE40 looks like.

```
.text, #text, p{  
    color:#83CE40  
}
```

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 #83CE40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83CE40
}
```

## Border

The CSS property to change the border of an element to Hex 83CE40 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
#83CE40 }
```

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

```
.border{ border-color:#83CE40 }
```

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

Here you see how a box with a 4 pixel #83CE40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83CE40; -webkit-box-shadow:4px 4px  
4px 4px #83CE40; box-shadow:4px 4px 4px  
4px #83CE40 }
```

# Background

The CSS property to change the background color of an element to Hex 83CE40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83CE40 }
```

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

```
.background{ background-color:#83CE40 }
```

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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