

# Converting Colors

Hex(83DC49)

Have a look what the booklet for  
Hex(83DC49) contains.

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**Color**

**Hex(83DC49)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	83DC49
RGB	131, 220, 73
RGB Percent	51%, 86%, 29%
CMY	0.4863, 0.1373, 0.7137
CMYK	0.40, 0.00, 0.67, 0.14
HSL	96°, 68%, 57%
HSV	96°, 67%, 86%
XYZ	36.1559, 56.4927, 15.3019
YIQ	176.6310, -5.8570, -64.5850

# Conversions

## Conversions Part 2

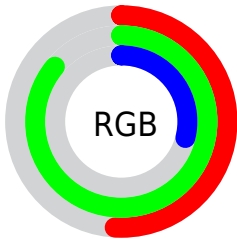
<b>Format</b>	<b>Color</b>
<b>RYB</b>	73, 220, 162
Decimal	8641609
CIELab	79.89, -51.05, 61.35
CIELCh	80, 79.812, 129.763
Yxy	56.4927, 0.3349, 0.5233
Android (android.graphics.Color)	4286831689 (0xFF83DC49)
YUV	176.6310, -51.0901, -40.0184
Hunter-Lab	75.1616, -45.6670, 40.5425

# Details

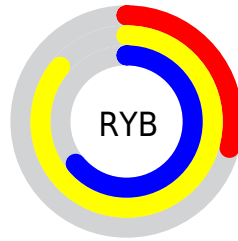
The Hex color **83DC49** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **A249DC**, and the grayscale version is **B1B1B1**.

A 20% lighter version of the original color is **BDFF80**, and **48A400** is the 20% darker color. If you saturate the color by 10%, you get **76DC33**, and if you desaturate by 10%, it is **90DC5F**.

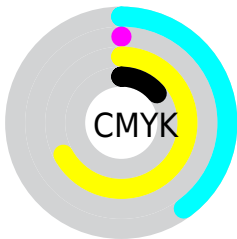
# Distribution



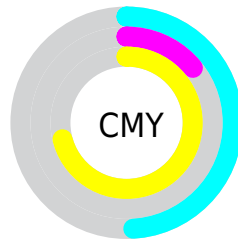
- Red (51%)
- Green (86%)
- Blue (29%)



- Red (29%)
- Yellow (86%)
- Blue (64%)



- Cyan (40%)
- Magenta (0%)
- Yellow (67%)
- Black (14%)



- Cyan (49%)
- Magenta (14%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83DC49 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 83DC49 by changing the saturation by 10% instead.



 83DC49

 83DC49

FFFFFF

 66C02C

 BDF80

 48A400

 DBFF9C

 278900

 F9FFB8

 006F00

 FFFFD5

 005600

 FFFFF2

 003D00

 002800

 000000

 83DC49

 83DC49

 76DC33

 90DC5F

 68DC1D

 9EDC75

 5BDC07

 ABDC8B

 57DC00

 B8DCA1

 C6DCB7

 D3DCCD

 E0DCE3

 EEDCF9

 FBDCFF

# Harmonies

## Analogous

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



D5CA11



83DC49



00E690

# Triad

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



83DC49



00DCFF



FF7CB1

# Complementary

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



83DC49



A249DC

# 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.



FF87FB



83DC49



47C7FF

# Square

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



83DC49



00E7FF



E8A7FF



FF906A

# Rectangle

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



83DC49



00E9C3



E8A7FF



FF7CCA

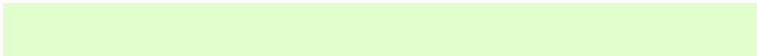


# Sweetspot

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



83DC49



E0FFCC



DCA149



6D8061



000000



808080



# Same Dimension

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



83DC49



83FF33



49DC58



676E63



44AD00



122E00



# Inverse Universe

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



A249DC



AF33FF



DC49CD



69636E



6900AD



1C002E



# Previews

## White Background



This preview shows how the Hex color 83DC49 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 83DC49 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 83DC49 Background



This preview shows how black text looks on a background with the Hex color 83DC49.

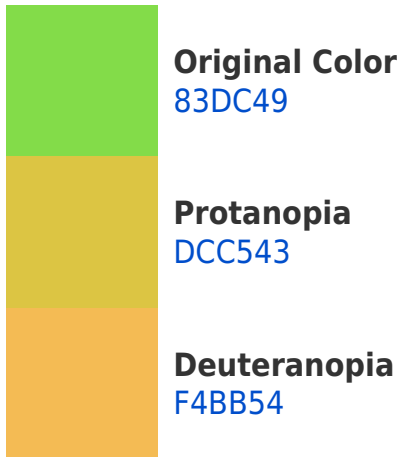


This preview shows how white text looks on a background with the Hex color 83DC49.

# 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](#).

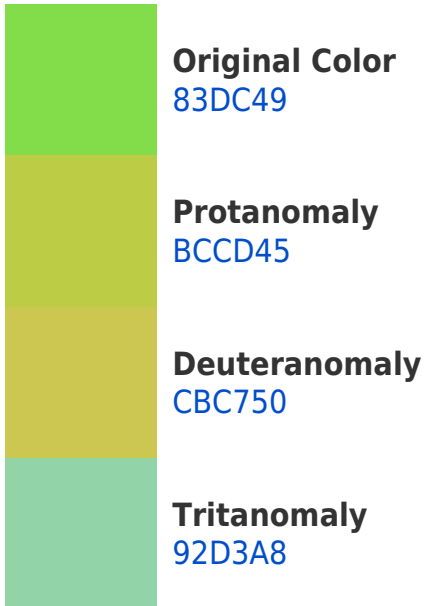
## Dichromacy



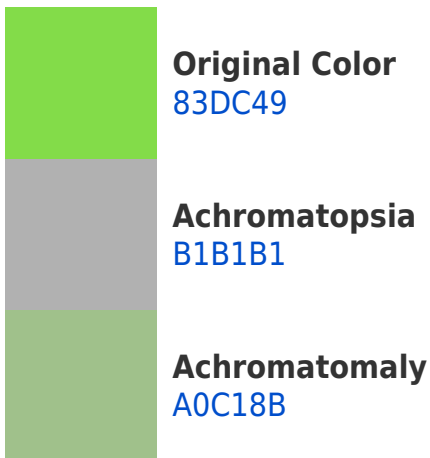


**Tritanopia**  
9ACEDE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83DC49 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 #83DC49 looks like.

```
.text, #text, p{  
    color:#83DC49  
}
```

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 #83DC49 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83DC49
}
```

## Border

The CSS property to change the border of an element to Hex 83DC49 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
#83DC49 }
```

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

```
.border{ border-color:#83DC49 }
```

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

Here you see how a box with a 4 pixel #83DC49 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83DC49; -webkit-box-shadow:4px 4px  
4px 4px #83DC49; box-shadow:4px 4px 4px  
4px #83DC49 }
```

# Background

The CSS property to change the background color of an element to Hex 83DC49 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83DC49 }
```

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

```
.background{ background-color:#83DC49 }
```

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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