

Converting Colors

Hex(83D051)

Have a look what the booklet for
Hex(83D051) contains.

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Color

Hex(83D051)

Conversions

Conversions Part 1

Format	Color
Hex	83D051
RGB	131, 208, 81
RGB Percent	51%, 82%, 32%
CMY	0.4863, 0.1843, 0.6824
CMYK	0.37, 0.00, 0.61, 0.18
HSL	96°, 57%, 57%
HSV	96°, 61%, 82%
XYZ	33.4012, 50.5311, 15.7776
YIQ	170.4990, -5.1250, -55.8210

Conversions

Conversions Part 2

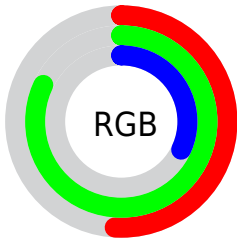
Format	Color
RYB	81, 208, 158
Decimal	8638545
CIELab	76.39, -45.41, 54.25
CIELCh	76, 70.748, 129.931
Yxy	50.5311, 0.3350, 0.5068
Android (android.graphics.Color)	4286828625 (0xFF83D051)
YUV	170.4990, -44.1230, -34.6406
Hunter-Lab	71.0852, -40.5266, 36.6000

Details

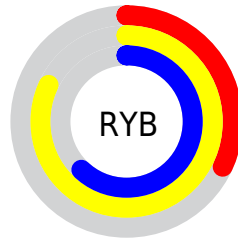
The Hex color **83D051** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **9E51D0**, and the grayscale version is **ABABAB**.

A 20% lighter version of the original color is **BCFF87**, and **4B9918** is the 20% darker color. If you saturate the color by 10%, you get **76D03C**, and if you desaturate by 10%, it is **90D066**.

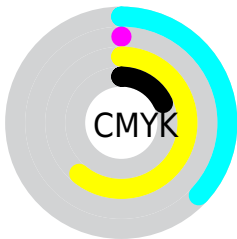
Distribution



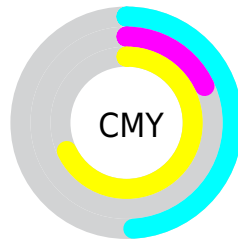
- Red (51%)
- Green (82%)
- Blue (32%)



- Red (32%)
- Yellow (82%)
- Blue (62%)



- Cyan (37%)
- Magenta (0%)
- Yellow (61%)
- Black (18%)



- Cyan (49%)
- Magenta (18%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Hex color 83D051 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 83D051 by changing the saturation by 10% instead.

 83D051

 83D051

FFFFFF

 67B436

 BCFF87

 4B9918

 D9FFA2

 2C7F00

 F7FFBE

 006500

 FFFFDB

 004C00

 FFFFF8

 003400

 001E00

 000000

 83D051

 83D051

 76D03C

 90D066

 6AD027

 9CD07B

 5DD013

 A9D08F

 52D000

 B5D0A4

 C2D0B9

 CFD0CE

 DBD0E3

 E8D0F7

 F4D0FF

Harmonies

Analogous

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



CAC02C



83D051



00D98D

Triad

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



83D051



00D0FF



FF7FA9

Complementary

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



83D051



9E51D0

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.



FF87EB



83D051



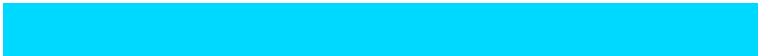
5EBDFF

Square

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



83D051



00D9FF



DCA2FF



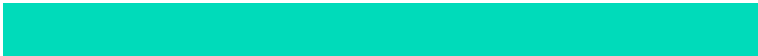
FF8F6C

Rectangle

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



83D051



00DBBA



DCA2FF



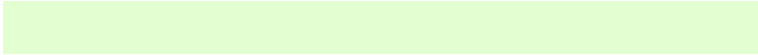
FF7FBF

Sweetspot

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



83D051



E3FFD1



D09D51



6E8063



000000



808080

Same Dimension

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



83D051



8EFF45



51D05E



62695E



42A800



102900

Inverse Universe

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



9E51D0



B645FF



D051C3



645E69



6600A8



190029

Previews

White Background



This preview shows how the Hex color 83D051 looks on a white background.

Color Contrast Check

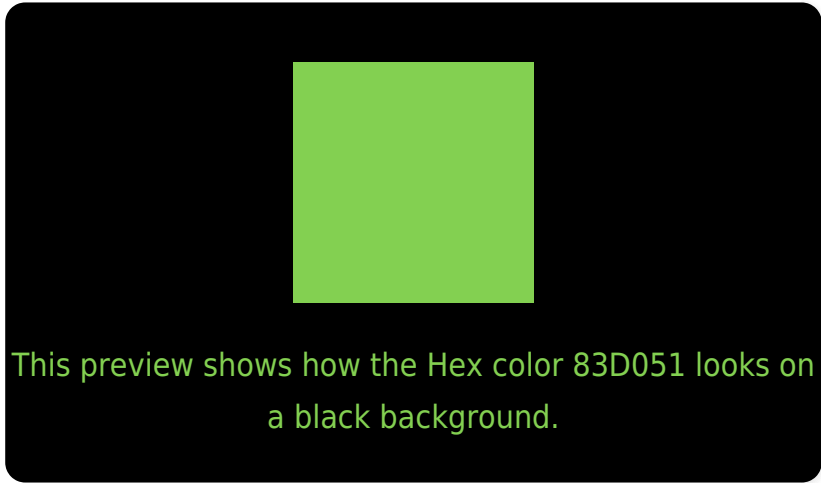
Large Text (above 18pt) WCAG AA × Fail

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 83D051 Background



This preview shows how black text looks on a background with the Hex color 83D051.

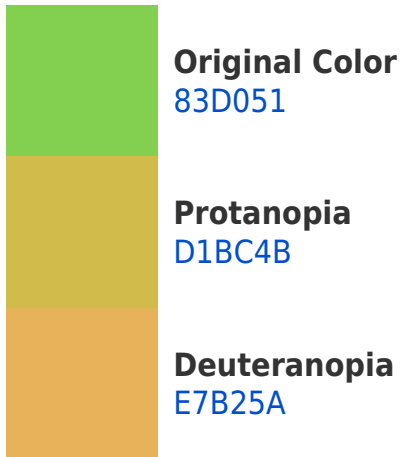


This preview shows how white text looks on a background with the Hex color 83D051.

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
97C3D3

Trichromacy



Original Color
83D051



Protanomaly
B5C34D



Deuteranomaly
C3BD57

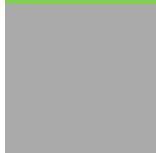


Tritanomaly
90C8A4

Monochromacy



Original Color
83D051



Achromatopsia
AAAAAA



Achromatomaly
9CB88A

CSS Examples

Text

The CSS property to change the color of the text to Hex 83D051 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 #83D051 looks like.

```
.text, #text, p{  
    color:#83D051  
}
```

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 #83D051 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83D051
}
```

Border

The CSS property to change the border of an element to Hex 83D051 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
#83D051 }
```

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

```
.border{ border-color:#83D051 }
```

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

Here you see how a box with a 4 pixel #83D051 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83D051; -webkit-box-shadow:4px 4px  
4px 4px #83D051; box-shadow:4px 4px 4px  
4px #83D051 }
```

Background

The CSS property to change the background color of an element to Hex 83D051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83D051 }
```

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

```
.background{ background-color:#83D051 }
```

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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