

Converting Colors

Hex(83EC3B)

Have a look what the booklet for
Hex(83EC3B) contains.

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Color

Hex(83EC3B)

Conversions

Conversions Part 1

Format	Color
Hex	83EC3B
RGB	131, 236, 59
RGB Percent	51%, 93%, 23%
CMY	0.4863, 0.0745, 0.7686
CMYK	0.44, 0.00, 0.75, 0.07
HSL	96°, 82%, 58%
HSV	96°, 75%, 93%
XYZ	40.1449, 65.1320, 14.5935
YIQ	184.4270, -5.7630, -77.3070

Conversions

Conversions Part 2

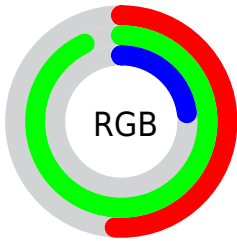
Format	Color
RYB	59, 236, 164
Decimal	8645691
CIELab	84.55, -58.27, 71.01
CIELCh	85, 91.857, 129.369
Yxy	65.1320, 0.3349, 0.5434
Android (android.graphics.Color)	4286835771 (0xFF83EC3B)
YUV	184.4270, -61.8355, -46.8555
Hunter-Lab	80.7044, -52.4410, 45.7718

Details

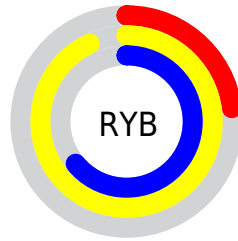
The Hex color **83EC3B** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **A43BEC**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **BFFF76**, and **44B300** is the 20% darker color. If you saturate the color by 10%, you get **75EC23**, and if you desaturate by 10%, it is **91EC53**.

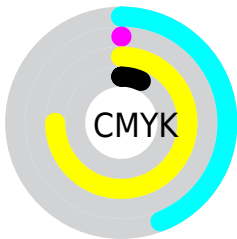
Distribution



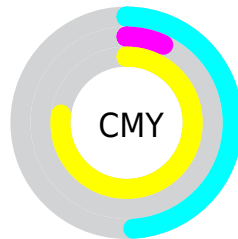
- Red (51%)
- Green (93%)
- Blue (23%)



- Red (23%)
- Yellow (93%)
- Blue (64%)



- Cyan (44%)
- Magenta (0%)
- Yellow (75%)
- Black (7%)



- Cyan (49%)
- Magenta (7%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Hex color 83EC3B 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 83EC3B by changing the saturation by 10% instead.

 83EC3B

 83EC3B

FFFFFF

 65CF14

 BFFF76

 44B300

 DDF993

 1C9800

 FCFFAF

 007D00

 FFFFCC

 006300

 FFFFEA

 004A00

 003300


 001900

 000000

 83EC3B

 83EC3B

 75EC23

 91EC53

 67EC0C

 9FEC6A

 60EC00

 ADEC82

 BBEC99

 C9ECB1

 D7ECC9

 E5ECE0

 F3ECF8

 FFECFF

Harmonies

Analogous

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



E3D800



83EC3B



00F792

Triad

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



83EC3B



00EDFF



FF77BC

Complementary

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



83EC3B



A43BEC

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.



FF86FF



83EC3B



00D4FF

Square

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



83EC3B



00F8FF



F8AFFF



FF9169

Rectangle

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



83EC3B



00FACE



F8AFFE



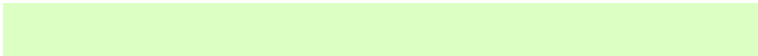
FF77D9

Sweetspot

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



83EC3B



DCFFC4



ECA23B



6A805C



000000



808080

Same Dimension

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



83EC3B



77FF19



3BEC4A



6E756A



4AB500



163600

Inverse Universe

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



A43BEC



A219FF



EC3BDD



716A75



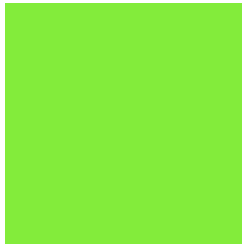
6B00B5



200036

Previews

White Background



This preview shows how the Hex color 83EC3B 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 83EC3B 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

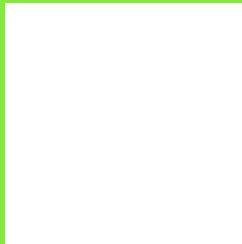
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Hex 83EC3B Background



This preview shows how black text looks on a background with the Hex color 83EC3B.

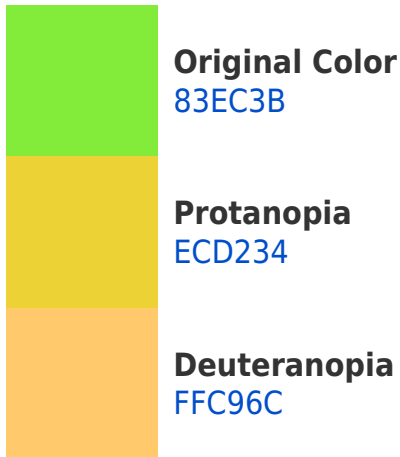


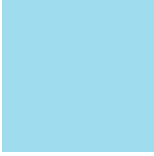
This preview shows how white text looks on a background with the Hex color 83EC3B.

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
9FDCEE

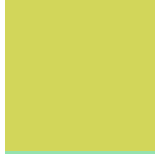
Trichromacy



Original Color
83EC3B



Protanomaly
C6DB37



Deuteranomaly
D2D65A

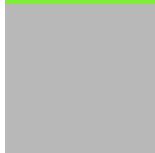


Tritanomaly
95E2AD

Monochromacy



Original Color
83EC3B



Achromatopsia
B8B8B8



Achromatomaly
A5CB8B

CSS Examples

Text

The CSS property to change the color of the text to Hex 83EC3B 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 #83EC3B looks like.

```
.text, #text, p{  
    color:#83EC3B  
}
```

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 #83EC3B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83EC3B
}
```

Border

The CSS property to change the border of an element to Hex 83EC3B 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
#83EC3B }
```

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

```
.border{ border-color:#83EC3B }
```

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

Here you see how a box with a 4 pixel #83EC3B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83EC3B; -webkit-box-shadow:4px 4px  
4px 4px #83EC3B; box-shadow:4px 4px 4px  
4px #83EC3B }
```

Background

The CSS property to change the background color of an element to Hex 83EC3B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83EC3B }
```

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

```
.background{ background-color:#83EC3B }
```

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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