

Converting Colors

Hex(83FF52)

Have a look what the booklet for
Hex(83FF52) contains.

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Color

Hex(83FF52)

Conversions

Conversions Part 1

Format	Color
Hex	83FF52
RGB	131, 255, 82
RGB Percent	51%, 100%, 32%
CMY	0.4863, 0.0000, 0.6784
CMYK	0.49, 0.00, 0.68, 0.00
HSL	103°, 100%, 66%
HSV	103°, 68%, 100%
XYZ	46.6431, 76.9545, 20.3780
YIQ	198.2020, -18.3710, -80.0910

Conversions

Conversions Part 2

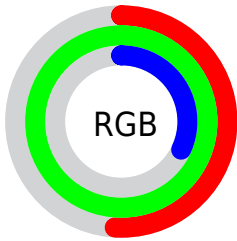
Format	Color
RYB	82, 255, 206
Decimal	8650578
CIELab	90.30, -63.81, 68.88
CIELCh	90, 93.890, 132.813
Yxy	76.9545, 0.3240, 0.5345
Android (android.graphics.Color)	4286840658 (0xFF83FF52)
YUV	198.2020, -57.2876, -58.9362
Hunter-Lab	87.7237, -58.6073, 47.6337

Details

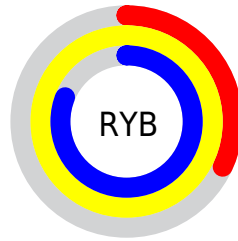
The Hex color **83FF52** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **CE52FF**, and the grayscale version is **C7C7C7**.

A 20% lighter version of the original color is **C0FF8B**, and **41C506** is the 20% darker color. If you saturate the color by 10%, you get **71FF39**, and if you desaturate by 10%, it is **95FF6B**.

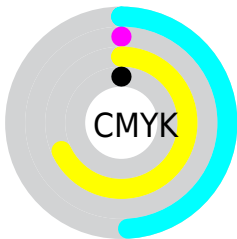
Distribution



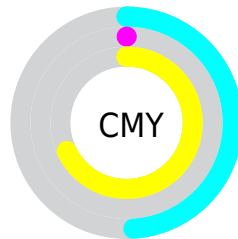
- Red (51%)
- Green (100%)
- Blue (32%)



- Red (32%)
- Yellow (100%)
- Blue (81%)



- Cyan (49%)
- Magenta (0%)
- Yellow (68%)
- Black (0%)



- Cyan (49%)
- Magenta (0%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Hex color 83FF52 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 83FF52 by changing the saturation by 10% instead.

 83FF52

 83FF52

FFFFFF

 64E233

 C0FF8B

 41C506

 DFFFA8

 0FA900

 FDFFC4

 008E00

 FFFFE2


 007300


 005900

 004000

 002900

 000200

 83FF52

 83FF52

 71FF39

 95FF6B

 5EFF1F

 A8FF85

 4CFF06

 BAFF9F

 48FF00

 CCFFB8

 DEFFD2

 F1FFEB

FFFFFF

Harmonies

Analogous

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



EAEB00



83FF52



00FFAB

Triad

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



83FF52



00FCFF



FF87C0

Complementary

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



83FF52



CE52FF

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.



FF91FF



83FF52



60E1FF

Square

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



83FF52



00FFFF



FFB9FF



FFA56C

Rectangle

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



83FF52



00FFE9



FFB9FF



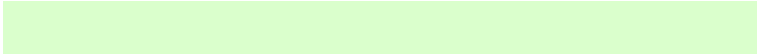
FF86DF

Sweetspot

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



83FF52



DAFFCC



FFCE52



6A8061



000000



808080

Same Dimension

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



83FF52



6BFF30



52FF77



768073



36BF00



124000

Inverse Universe

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



CE52FF



C430FF



FF52DA



7C7380



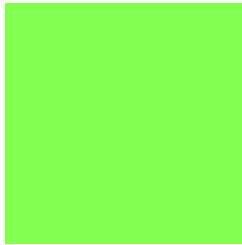
8900BF



2E0040

Previews

White Background



This preview shows how the Hex color 83FF52 looks on a white background.

Color Contrast Check

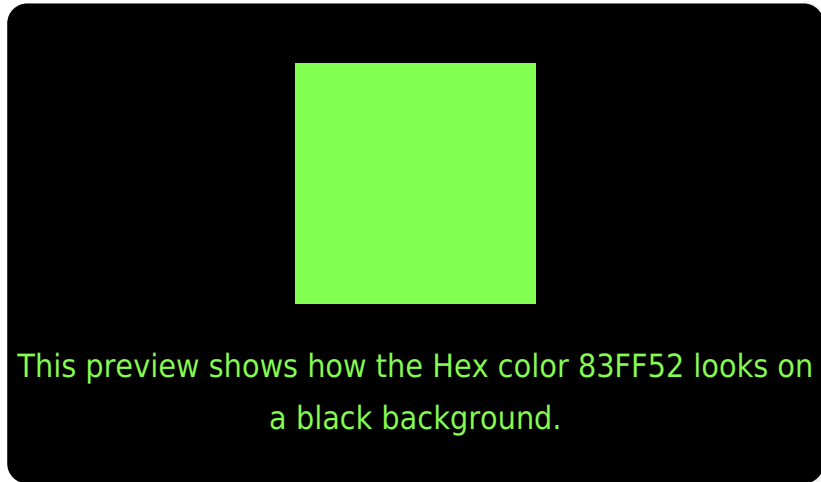
Large Text (above 18pt) WCAG AA × Fail

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

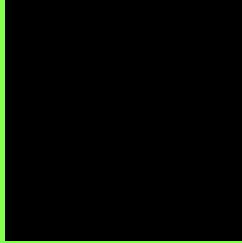
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

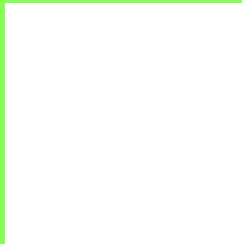
Any Text WCAG AAA ✓ Pass

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

Hex 83FF52 Background



This preview shows how black text looks on a background with the Hex color 83FF52.

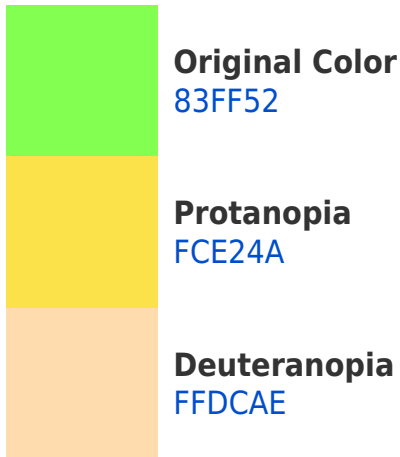


This preview shows how white text looks on a background with the Hex color 83FF52.

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](#).

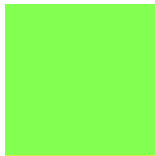
Dichromacy



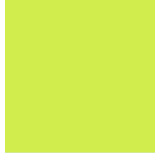


Tritanopia
A9EDFF

Trichromacy



Original Color
83FF52



Protanomaly
D0ED4D

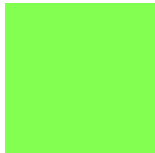


Deuteranomaly
D2E98D

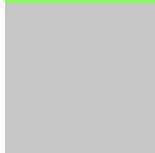


Tritanomaly
9BF4C0

Monochromacy



Original Color
83FF52



Achromatopsia
C6C6C6



Achromatomaly
AEDB9C

CSS Examples

Text

The CSS property to change the color of the text to Hex 83FF52 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 #83FF52 looks like.

```
.text, #text, p{  
    color:#83FF52  
}
```

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 #83FF52 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83FF52
}
```

Border

The CSS property to change the border of an element to Hex 83FF52 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
#83FF52 }
```

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

```
.border{ border-color:#83FF52 }
```

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

Here you see how a box with a 4 pixel #83FF52 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83FF52; -webkit-box-shadow:4px 4px  
4px 4px #83FF52; box-shadow:4px 4px 4px  
4px #83FF52 }
```

Background

The CSS property to change the background color of an element to Hex 83FF52 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83FF52 }
```

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

```
.background{ background-color:#83FF52 }
```

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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