

# Converting Colors

Hex(81FF23)

Have a look what the booklet for  
Hex(81FF23) contains.

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**Color**

**Hex(81FF23)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81FF23
RGB	129, 255, 35
RGB Percent	51%, 100%, 14%
CMY	0.4941, 0.0000, 0.8627
CMYK	0.49, 0.00, 0.86, 0.00
HSL	94°, 100%, 57%
HSV	94°, 86%, 100%
XYZ	45.1166, 76.3085, 13.9412
YIQ	192.2460, -4.4760, -95.1320

# Conversions

## Conversions Part 2

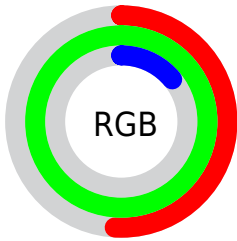
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 255, 161
Decimal	8519459
CIELab	90.00, -66.87, 81.96
CIELCh	90, 105.779, 129.212
Yxy	76.3085, 0.3333, 0.5637
Android (android.graphics.Color)	4286709539 (0xFF81FF23)
YUV	192.2460, -77.5223, -55.4667
Hunter-Lab	87.3547, -60.6798, 51.6860

# Details

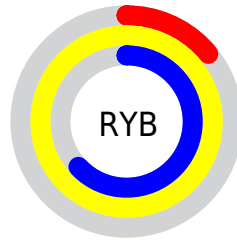
The Hex color **81FF23** is a dark color, and the websafe version is hex **66FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **A123FF**, and the grayscale version is **C1C1C1**.

A 20% lighter version of the original color is **BFFF69**, and **3CC500** is the 20% darker color. If you saturate the color by 10%, you get **72FF09**, and if you desaturate by 10%, it is **90FF3C**.

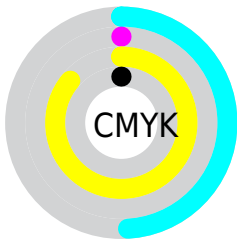
# Distribution



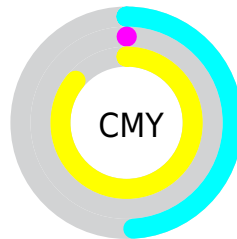
- Red (51%)
- Green (100%)
- Blue (14%)



- Red (14%)
- Yellow (100%)
- Blue (63%)



- Cyan (49%)
- Magenta (0%)
- Yellow (86%)
- Black (0%)



- Cyan (49%)
- Magenta (0%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81FF23 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 81FF23 by changing the saturation by 10% instead.



 81FF23

 81FF23

FFFFFF

 60E200

 BFFF69

 3CC500

 DEFF87

 00A900

 FEFFA4

 008E00

 FFFFC2

 007300

 FFFFEO


 005900

FFFFFFE

 004000

 002800

 000000

 81FF23

 81FF23

 72FF09

 90FF3C

 6DFF00

 9EFF56

 ADFF6F

 BBFF89

 CAFFA3

 D9FFBC

 E7FFD5

 F6FFEF

FFFFFF

# Harmonies

## Analogous

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



F3E800



81FF23



00FF96

# Triad

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



81FF23



00FFFF



FF6DC8

# Complementary

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



81FF23



A123FF

# 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.



FF83FF



81FF23



00E5FF

# Square

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



81FF23



00FFFF



FFB8FF



FF9267

# Rectangle

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



81FF23



00FFDD



FFB8FF



FF6DEA

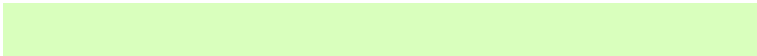


# Sweetspot

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



81FF23



D9FFBD



FFA023



698058



000000



808080



# Same Dimension

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



81FF23



6DFF00



23FF32



788073



52BF00



1B4000



# Inverse Universe

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



A123FF



9200FF



FF23F0



7A7380



6E00BF

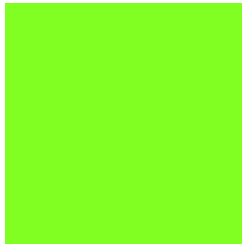


250040



# Previews

## White Background



This preview shows how the Hex color 81FF23 looks on a white background.

## Color Contrast Check

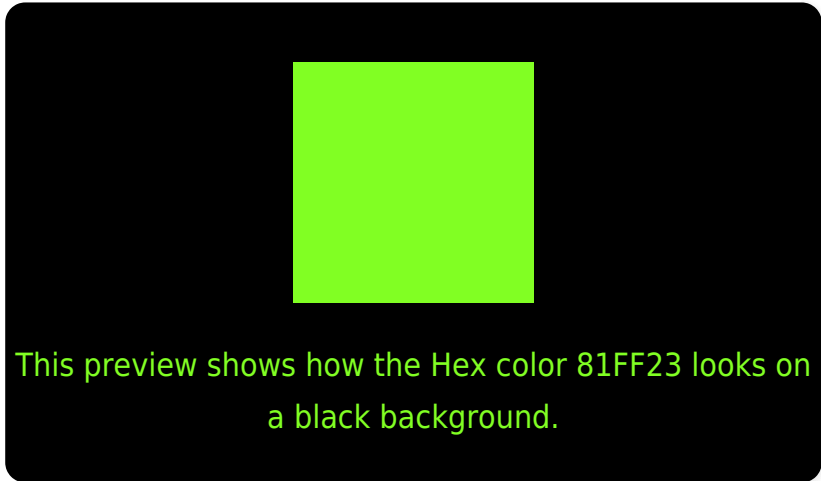
Large Text (above 18pt) WCAG AA × Fail

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

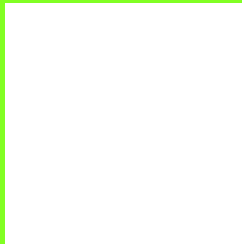
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 81FF23 Background



This preview shows how black text looks on a background with the Hex color 81FF23.

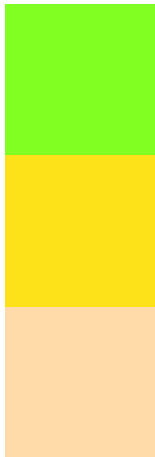


This preview shows how white text looks on a background with the Hex color 81FF23.

# 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](#).

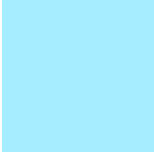
## Dichromacy



**Original Color**  
81FF23

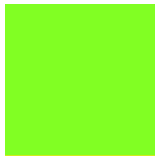
**Protanopia**  
FDE119

**Deuteranopia**  
FFDBA9



**Tritanopia**  
A6EDFF

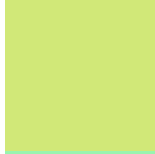
# Trichromacy



**Original Color**  
81FF23



**Protanomaly**  
D0EC1D

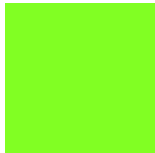


**Deuteranomaly**  
D1E878

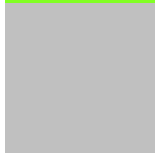


**Tritanomaly**  
99F4AF

# Monochromacy



**Original Color**  
81FF23



**Achromatopsia**  
C0C0C0



**Achromatomaly**  
A9D787

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81FF23 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 #81FF23 looks like.

```
.text, #text, p{  
    color:#81FF23  
}
```

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 #81FF23 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81FF23
}
```

## Border

The CSS property to change the border of an element to Hex 81FF23 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
#81FF23 }
```

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

```
.border{ border-color:#81FF23 }
```

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

Here you see how a box with a 4 pixel #81FF23 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81FF23; -webkit-box-shadow:4px 4px  
4px 4px #81FF23; box-shadow:4px 4px 4px  
4px #81FF23 }
```

# Background

The CSS property to change the background color of an element to Hex 81FF23 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81FF23 }
```

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

```
.background{ background-color:#81FF23 }
```

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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