

Converting Colors

Hex(80CA1E)

Have a look what the booklet for
Hex(80CA1E) contains.

Hex(80CA1E)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(80CA1E)

Conversions

Conversions Part 1

Format	Color
Hex	80CA1E
RGB	128, 202, 30
RGB Percent	50%, 79%, 12%
CMY	0.4980, 0.2078, 0.8824
CMYK	0.37, 0.00, 0.85, 0.21
HSL	86°, 74%, 45%
HSV	86°, 85%, 79%
XYZ	30.2570, 46.9240, 8.6908
YIQ	160.2660, 11.1080, -69.1800

Conversions

Conversions Part 2

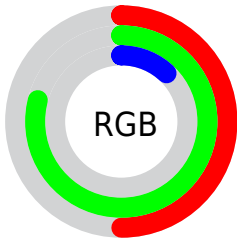
Format	Color
RYB	30, 202, 104
Decimal	8440350
CIELab	74.14, -47.14, 69.30
CIELCh	74, 83.815, 124.222
Yxy	46.9240, 0.3524, 0.5464
Android (android.graphics.Color)	4286630430 (0xFF80CA1E)
YUV	160.2660, -64.2211, -28.2973
Hunter-Lab	68.5011, -41.0334, 40.4286

Details

The Hex color **80CA1E** is a dark color, and the websafe version is hex **99CC33**. The color can be described as dark washed chartreuse. A complement of this color would be **681ECA**, and the grayscale version is **A1A1A1**.

A 20% lighter version of the original color is **BAFF5E**, and **459300** is the 20% darker color. If you saturate the color by 10%, you get **77CA0A**, and if you desaturate by 10%, it is **89CA32**.

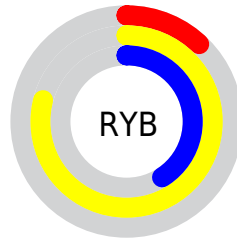
Distribution



Red (50%)

Green (79%)

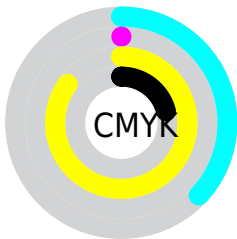
Blue (12%)



Red (12%)

Yellow (79%)

Blue (41%)

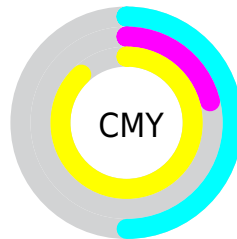


Cyan (37%)

Magenta (0%)

Yellow (85%)

Black (21%)



Cyan (50%)

Magenta (21%)

Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the Hex color 80CA1E 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 80CA1E by changing the saturation by 10% instead.



80CA1E



80CA1E

FFFFFF



63AE00



BAFF5E



459300



D8FF7A



257900



F6FF96



006000



FFFFB3



004700



FFFFD0



003000



FFFFED



001700



000000



80CA1E



80CA1E

 77CA0A

 89CA32

 73CA00

 91CA46

 9ACA5B

 A3CA6F

 ABCA83

 B4CA97

 BDCAAB

 C6CAC0

 CECAD4

Harmonies

Analogous

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



D0B600



80CA1E



00D56F

Triad

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



80CA1E



00D0FF



FF63AF

Complementary

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



80CA1E



681ECA

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.



FF77FB



80CA1E



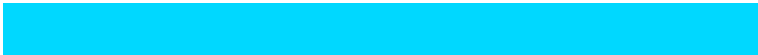
00BCFF

Square

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



80CA1E



00D8FF



C39DFF



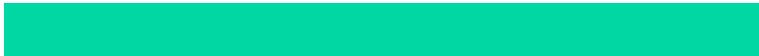
FF7664

Rectangle

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



80CA1E



00D8A4



C39DFF



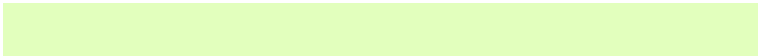
FF65C9

Sweetspot

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



80CA1E



E2FFBD



CA661E



6E8058



000000



808080

Same Dimension

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



80CA1E



91FF00



2CCA1E



62665C



5EA600



162600

Inverse Universe

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



681ECA



6E00FF



BC1ECA



605C66



4700A6



100026

Previews

White Background



This preview shows how the Hex color 80CA1E looks on a white background.

Color Contrast Check

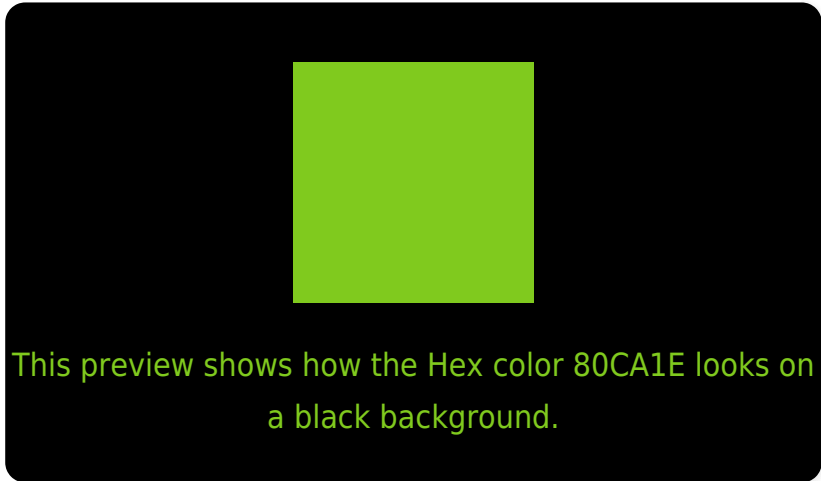
Large Text (above 18pt) WCAG AA × Fail

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 80CA1E Background



This preview shows how black text looks on a background with the Hex color 80CA1E.

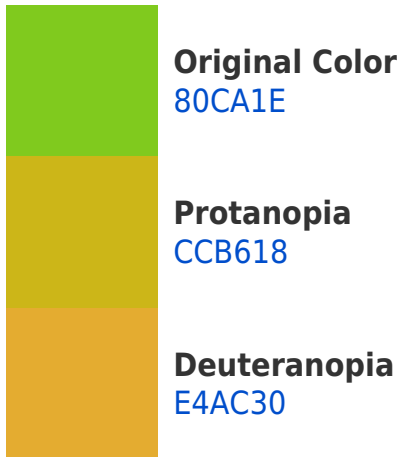


This preview shows how white text looks on a background with the Hex color 80CA1E.

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](#).

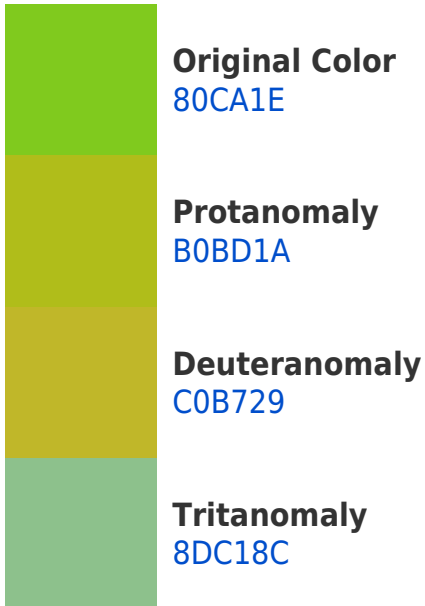
Dichromacy



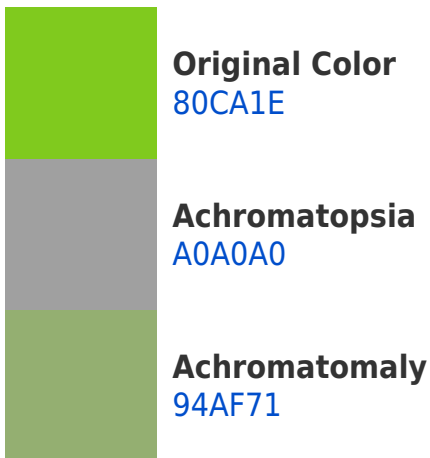


Tritanopia
95BCCB

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 80CA1E 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 #80CA1E looks like.

```
.text, #text, p{  
    color:#80CA1E  
}
```

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 #80CA1E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80CA1E
}
```

Border

The CSS property to change the border of an element to Hex 80CA1E 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
#80CA1E }
```

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

```
.border{ border-color:#80CA1E }
```

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

Here you see how a box with a 4 pixel #80CA1E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80CA1E; -webkit-box-shadow:4px 4px  
4px 4px #80CA1E; box-shadow:4px 4px 4px  
4px #80CA1E }
```

Background

The CSS property to change the background color of an element to Hex 80CA1E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80CA1E }
```

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

```
.background{ background-color:#80CA1E }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor