

Converting Colors

Hex(81B836)

Have a look what the booklet for
Hex(81B836) contains.

Hex(81B836)	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(81B836)

Conversions

Conversions Part 1

Format	Color
Hex	81B836
RGB	129, 184, 54
RGB Percent	51%, 72%, 21%
CMY	0.4941, 0.2784, 0.7882
CMYK	0.30, 0.00, 0.71, 0.28
HSL	85°, 55%, 47%
HSV	85°, 71%, 72%
XYZ	26.8596, 39.2144, 9.6435
YIQ	152.7350, 8.9500, -52.0900

Conversions

Conversions Part 2

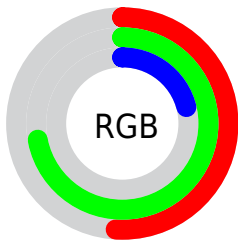
Format	Color
RYB	54, 184, 109
Decimal	8501302
CIELab	68.91, -37.86, 57.24
CIELCh	69, 68.629, 123.483
Yxy	39.2144, 0.3547, 0.5179
Android (android.graphics.Color)	4286691382 (0xFF81B836)
YUV	152.7350, -48.6764, -20.8156
Hunter-Lab	62.6214, -33.0253, 34.7045

Details

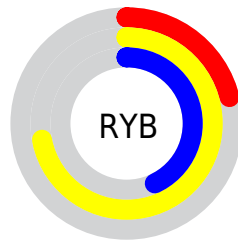
The Hex color **81B836** is a dark color, and the websafe version is hex **99CC33**. A complement of this color would be **6D36B8**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **B9F06C**, and **4A8300** is the 20% darker color. If you saturate the color by 10%, you get **79B824**, and if you desaturate by 10%, it is **89B848**.

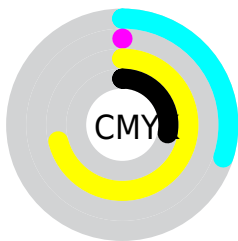
Distribution



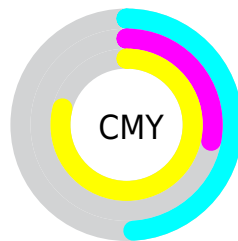
- Red (51%)
- Green (72%)
- Blue (21%)



- Red (21%)
- Yellow (72%)
- Blue (43%)



- Cyan (30%)
- Magenta (0%)
- Yellow (71%)
- Black (28%)




- Cyan (49%)
- Magenta (28%)
- Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the Hex color 81B836 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 81B836 by changing the saturation by 10% instead.

 81B836

 81B836

FFFFFF

 659D17

 B9F06C

 4A8300

 D6FF88

 2E6900

 F4FFA3

 0C5000

 FFFFBF


 003900

 FFFFDC

 002500

 FFFFF9

 000000

 81B836

 81B836

 79B824

 89B848

 71B811

 91B85B

 6AB800

 98B86D

 A0B880

 A8B892

 B0B8A4

 B7B8B7

 BFB8C9

 C7B8DC

Harmonies

Analogous

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



C1A816



81B836



00C16E

Triad

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



81B836



00BDFE



FF6BA3

Complementary

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



81B836



6D36B8

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.



F979E1



81B836



00ADFF

Square

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



81B836



00C4EB



B294FF



FF7767

Rectangle

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



81B836



00C598



B294FF



FF6DB8

Sweetspot

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



81B836



DAF0BD



B86C36



6B785A



F7F7F7



787878

Same Dimension

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



81B836



9AF024



41B836



585C53



5A9C00



101C00

Inverse Universe

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



6D36B8



7A24F0



AD36B8



57535C



42009C



0C001C

Previews

White Background



This preview shows how the Hex color 81B836 looks on a white background.

Color Contrast Check

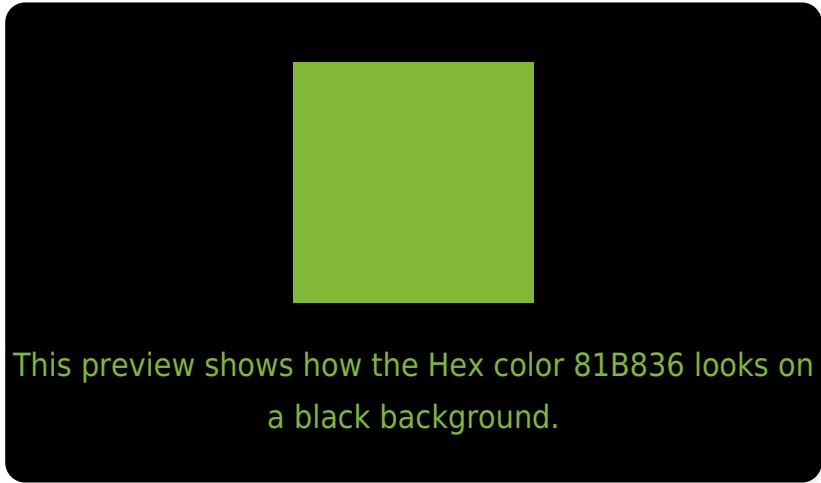
Large Text (above 18pt) WCAG AA × Fail

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 81B836 Background



This preview shows how black text looks on a background with the Hex color 81B836.

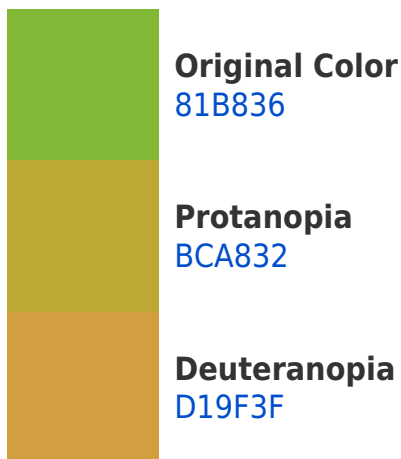


This preview shows how white text looks on a background with the Hex color 81B836.

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
92ACB9

Trichromacy



Original Color
81B836

Protanomaly
A7AE33

Deuteranomaly
B4A83C

Tritanomaly
8CB089

Monochromacy



Original Color
81B836

Achromatopsia
999999

Achromatomaly
90A475

CSS Examples

Text

The CSS property to change the color of the text to Hex 81B836 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 #81B836 looks like.

```
.text, #text, p{  
    color:#81B836  
}
```

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 #81B836 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81B836
}
```

Border

The CSS property to change the border of an element to Hex 81B836 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
#81B836 }
```

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

```
.border{ border-color:#81B836 }
```

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

Here you see how a box with a 4 pixel #81B836 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81B836; -webkit-box-shadow:4px 4px  
4px 4px #81B836; box-shadow:4px 4px 4px  
4px #81B836 }
```

Background

The CSS property to change the background color of an element to Hex 81B836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81B836 }
```

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

```
.background{ background-color:#81B836 }
```

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