

# Converting Colors

Hex(81AC1F)

Have a look what the booklet for  
Hex(81AC1F) contains.

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**Color**

**Hex(81AC1F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81AC1F
RGB	129, 172, 31
RGB Percent	51%, 67%, 12%
CMY	0.4941, 0.3255, 0.8784
CMYK	0.25, 0.00, 0.82, 0.33
HSL	78°, 69%, 40%
HSV	78°, 82%, 67%
XYZ	24.0531, 34.2711, 6.6436
YIQ	143.0690, 19.6330, -52.9670

# Conversions

## Conversions Part 2

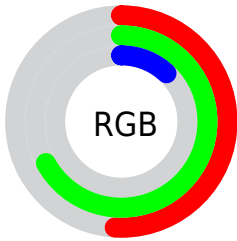
Format	Color
<a href="#">RYB</a>	<a href="#">31, 172, 74</a>
Decimal	<a href="#">8498207</a>
CIELab	<a href="#">65.18, -33.64, 61.22</a>
CIElCh	<a href="#">65, 69.857, 118.786</a>
Yxy	<a href="#">34.2711, 0.3702, 0.5275</a>
Android (android.graphics.Color)	<a href="#">4286688287 (0xFF81AC1F)</a>
YUV	<a href="#">143.0690, -55.2500, -12.3385</a>
Hunter-Lab	<a href="#">58.5415, -29.1069, 34.2506</a>

# Details

The Hex color **81AC1F** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **4A1FAC**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **B9E459**, and **4A7700** is the 20% darker color. If you saturate the color by 10%, you get **7CAC0E**, and if you desaturate by 10%, it is **86AC30**.

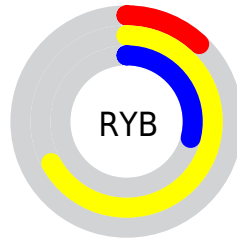
# Distribution



Red (51%)

Green (67%)

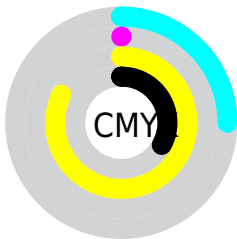
Blue (12%)



Red (12%)

Yellow (67%)

Blue (29%)

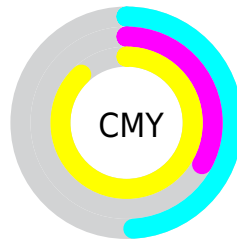


Cyan (25%)

Magenta (0%)

Yellow (82%)

Black (33%)



Cyan (49%)

Magenta (33%)

Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81AC1F 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 81AC1F by changing the saturation by 10% instead.



 81AC1F

 81AC1F

FFFFFF

 659100

 B9E459

 4A7700

 D6FF75

 305E00

 F4FF90

 0F4600

 FFFFAC

 002F00

 FFFFC9

 001B00

 FFFF66

 000000

 81AC1F

 81AC1F

 7CAC0E

 86AC30

 78AC00

 8BAC41

 91AC53

 96AC64

 9BAC75

 A0AC86

 A6AC97

 ABACA9

 B0ACBA

# Harmonies

## Analogous

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



BF9A00



81AC1F



00B65A

# Triad

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



81AC1F



00B5FF



FF5FA3

# Complementary

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



81AC1F



4A1FAC

# 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.



E772E0



81AC1F



00A6FF

# Square

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



81AC1F



00BBD9



978FFF



FF6866

# Rectangle

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



81AC1F



00BA84



978FFF



FF63B8



# Sweetspot

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



81AC1F



CFE0A8



AC491F



66704F



F0F0F0



707070



# Same Dimension

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



81AC1F



9DE004



3BAC1F



54574E



699600



101700



# Inverse Universe

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



4A1FAC



4804E0



901FAC



514E57



2E0096



070017



# Previews

## White Background



This preview shows how the Hex color 81AC1F looks on a white background.

## Color Contrast Check

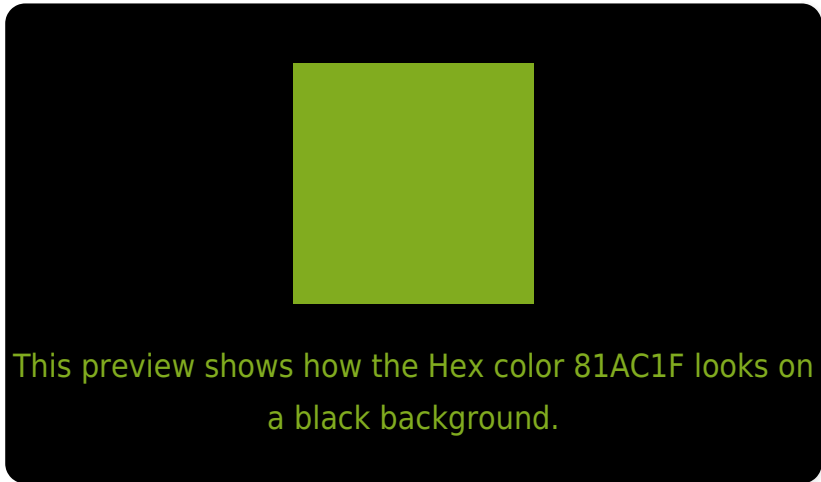
Large Text (above 18pt) WCAG AA × Fail

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 81AC1F Background



This preview shows how black text looks on a background with the Hex color 81AC1F.



This preview shows how white text looks on a background with the Hex color 81AC1F.

# 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**  
81AC1F

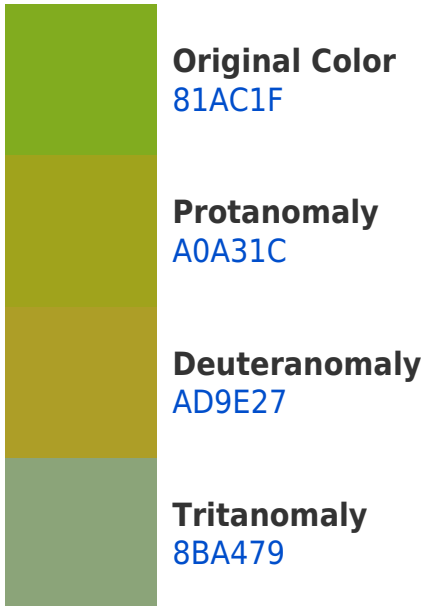
**Protanopia**  
B29E1B

**Deuteranopia**  
C6962B

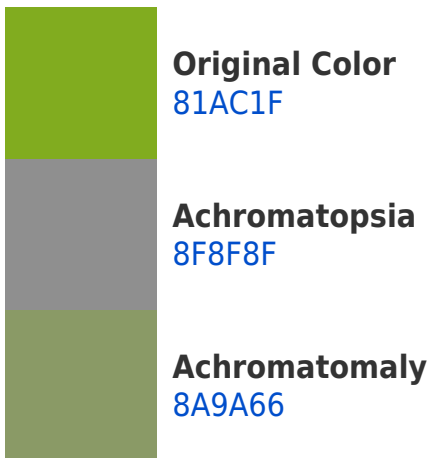


**Tritanopia**  
90A0AD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81AC1F 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 #81AC1F looks like.

```
.text, #text, p{  
    color:#81AC1F  
}
```

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 #81AC1F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81AC1F
}
```

## Border

The CSS property to change the border of an element to Hex 81AC1F 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
#81AC1F }
```

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

```
.border{ border-color:#81AC1F }
```

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

Here you see how a box with a 4 pixel #81AC1F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81AC1F; -webkit-box-shadow:4px 4px  
4px 4px #81AC1F; box-shadow:4px 4px 4px  
4px #81AC1F }
```

# Background

The CSS property to change the background color of an element to Hex 81AC1F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81AC1F }
```

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

```
.background{ background-color:#81AC1F }
```

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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