

# Converting Colors

Hex(81E331)

Have a look what the booklet for  
Hex(81E331) contains.

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**Color**

**Hex(81E331)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81E331
RGB	129, 227, 49
RGB Percent	51%, 89%, 19%
CMY	0.4941, 0.1098, 0.8078
CMYK	0.43, 0.00, 0.78, 0.11
HSL	93°, 76%, 54%
HSV	93°, 78%, 89%
XYZ	37.0767, 59.8270, 12.4994
YIQ	177.4060, -1.2700, -76.1340

# Conversions

## Conversions Part 2

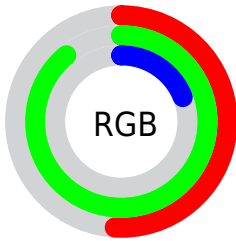
Format	Color
<a href="#">RYB</a>	<a href="#">49, 227, 147</a>
Decimal	<a href="#">8512305</a>
CIELab	<a href="#">81.74, -55.98, 71.32</a>
CIElCh	<a href="#">82, 90.666, 128.126</a>
Yxy	<a href="#">59.8270, 0.3389, 0.5468</a>
Android (android.graphics.Color)	<a href="#">4286702385 (0xFF81E331)</a>
YUV	<a href="#">177.4060, -63.3042, -42.4521</a>
Hunter-Lab	<a href="#">77.3479, -49.7950, 44.5624</a>

# Details

The Hex color **81E331** is a dark color, and the websafe version is hex **66CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **9331E3**, and the grayscale version is **B2B2B2**.

A 20% lighter version of the original color is **BDFF6D**, and **43AB00** is the 20% darker color. If you saturate the color by 10%, you get **75E31A**, and if you desaturate by 10%, it is **8DE348**.

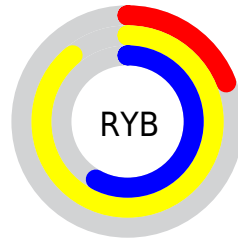
# Distribution



Red (51%)

Green (89%)

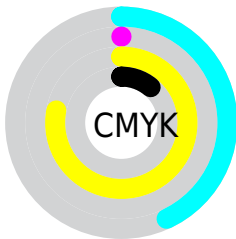
Blue (19%)



Red (19%)

Yellow (89%)

Blue (58%)

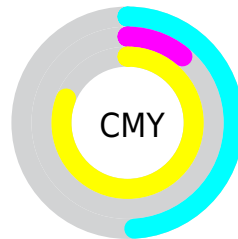


Cyan (43%)

Magenta (0%)

Yellow (78%)

Black (11%)



Cyan (49%)

Magenta (11%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81E331 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 81E331 by changing the saturation by 10% instead.



 81E331

 81E331

FFFFFF

 63C700

 BDFF6D

 43AB00

 DBFF8A

 1C9000

 F9FFA7

 007500

 FFFFC4

 005C00

 FFFFE1

 004300

 002C00

 000C00

 000000

 81E331

 81E331

 75E31A

 8DE348

 68E304

 9AE35E

 66E300

 A6E375

 B3E38C

 BFE3A3

 CCE3B9

 D8E3D0

 E5E3E7

 F1E3FD

# Harmonies

## Analogous

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



DECF00



81E331



00EE88

# Triad

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



81E331



00E5FF



FF6FB8

# Complementary

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



81E331



9331E3

# 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.



FF80FF



81E331



00CEFF

# Square

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



81E331



00F0FF



EAA9FF



FF8966

# Rectangle

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



81E331



00F1C3



EAA9FF



FF70D4

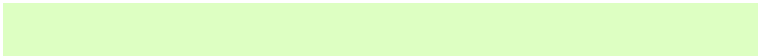


# Sweetspot

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



81E331



DDFC2



E39331



6B805B



000000



808080



# Same Dimension

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



81E331



7BFF0F



31E33A



6C7367



50B300



173300



# Inverse Universe

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



9331E3



930FFF



E331DA



6E6773



6200B3

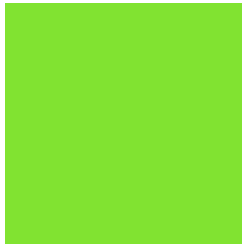


1C0033



# Previews

## White Background



This preview shows how the Hex color 81E331 looks on a white background.

## Color Contrast Check

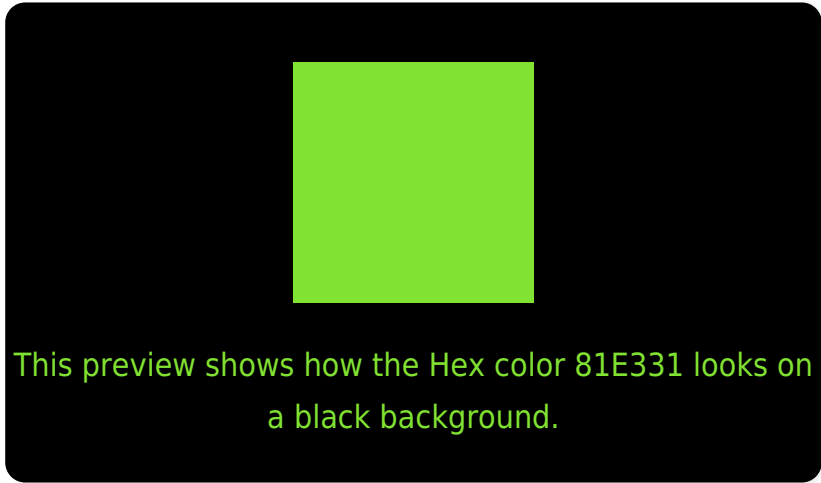
Large Text (above 18pt) WCAG AA × Fail

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 81E331 Background



This preview shows how black text looks on a background with the Hex color 81E331.

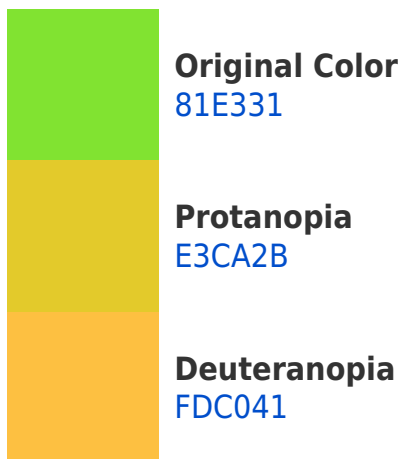


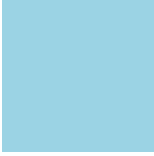
This preview shows how white text looks on a background with the Hex color 81E331.

# 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**  
9BD3E4

# Trichromacy



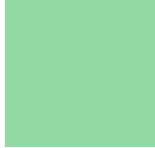
**Original Color**  
81E331



**Protanomaly**  
BFD32D



**Deuteranomaly**  
D0CD3B



**Tritanomaly**  
92D9A3

# Monochromacy



**Original Color**  
81E331



**Achromatopsia**  
B1B1B1



**Achromatomaly**  
A0C382

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81E331 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 #81E331 looks like.

```
.text, #text, p{  
    color:#81E331  
}
```

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 #81E331 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81E331
}
```

## Border

The CSS property to change the border of an element to Hex 81E331 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
#81E331 }
```

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

```
.border{ border-color:#81E331 }
```

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

Here you see how a box with a 4 pixel #81E331 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81E331; -webkit-box-shadow:4px 4px  
4px 4px #81E331; box-shadow:4px 4px 4px  
4px #81E331 }
```

# Background

The CSS property to change the background color of an element to Hex 81E331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81E331 }
```

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

```
.background{ background-color:#81E331 }
```

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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