

# Converting Colors

Hex(81E377)

Have a look what the booklet for  
Hex(81E377) contains.

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**Color**

**Hex(81E377)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81E377
RGB	129, 227, 119
RGB Percent	51%, 89%, 47%
CMY	0.4941, 0.1098, 0.5333
CMYK	0.43, 0.00, 0.48, 0.11
HSL	114°, 66%, 68%
HSV	114°, 48%, 89%
XYZ	39.8521, 60.9372, 27.1144
YIQ	185.3860, -23.7400, -54.3640

# Conversions

## Conversions Part 2

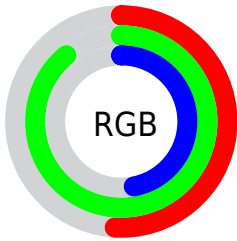
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">119, 227, 217</a>
Decimal	<a href="#">8512375</a>
CIELab	<a href="#">82.34, -49.67, 43.73</a>
CIELCh	<a href="#">82, 66.178, 138.637</a>
Yxy	<a href="#">60.9372, 0.3116, 0.4764</a>
Android (android.graphics.Color)	<a href="#">4286702455 (0xFF81E377)</a>
YUV	<a href="#">185.3860, -32.7283, -49.4505</a>
Hunter-Lab	<a href="#">78.0623, -45.4817, 34.0496</a>

# Details

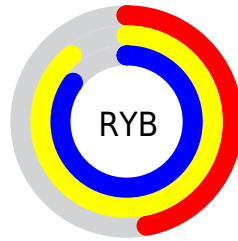
The Hex color **81E377** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **D977E3**, and the grayscale version is **BABABA**.

A 20% lighter version of the original color is **BAFFAD**, and **47AB43** is the 20% darker color. If you saturate the color by 10%, you get **6CE360**, and if you desaturate by 10%, it is **96E38E**.

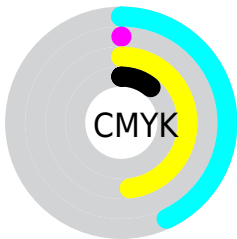
# Distribution



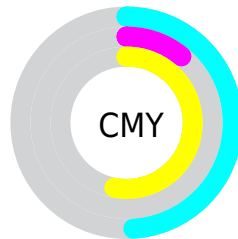
- Red (51%)
- Green (89%)
- Blue (47%)



- Red (47%)
- Yellow (89%)
- Blue (85%)



- Cyan (43%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)



- Cyan (49%)
- Magenta (11%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81E377 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 81E377 by changing the saturation by 10% instead.



 81E377

FFFFFF

 BAFFAD

 D8FFC9

 F5FFE5

 81E377

 64C75D

 47AB43

 27902A

 00750D

 005C00

 004300

 002D00

 000F00

 000000

 81E377

 81E377

 6CE360

 96E38E

 58E34A

 AAE3A4

 43E333

 BFE3BB

 2FE31C

 D3E3D2

 1AE306

 E8E3E9

 15E300

 FDE3FF

 FFE3FF

# Harmonies

## Analogous

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



CAD54F



81E377



00EAB2

# Triad

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



81E377



00DBFF



FF98A9

# Complementary

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



81E377



D977E3

# 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.



FF99E7



81E377



A7C6FF

# Square

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



81E377



00E7FF



FFADFF



FFAA72

# Rectangle

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



81E377



00ECDE



FFADFF



FF96BD

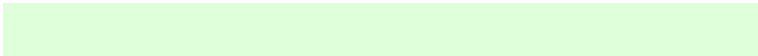


# Sweetspot

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



81E377



DFFFDB



E3D877



6C806A



000000



808080



# Same Dimension

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



81E377



7BFF6E



77E3A2



687367



11B300



053300



# Inverse Universe

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



D977E3



F26EFF



E377B8



726773



A200B3

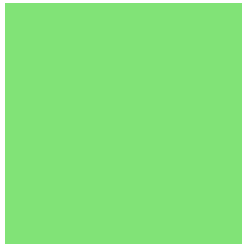


2E0033



# Previews

## White Background



This preview shows how the Hex color 81E377 looks on a white background.

## Color Contrast Check

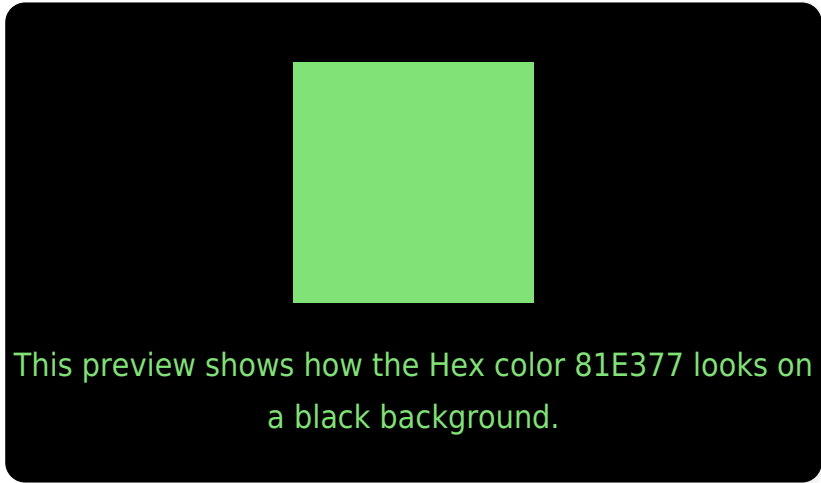
Large Text (above 18pt) WCAG AA × Fail

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 81E377 Background



This preview shows how black text looks on a background with the Hex color 81E377.

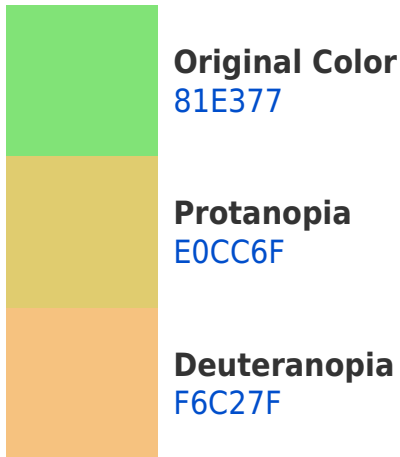


This preview shows how white text looks on a background with the Hex color 81E377.

# 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



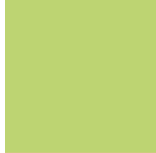


**Tritanopia**  
97D6E8

# Trichromacy



**Original Color**  
81E377



**Protanomaly**  
BDD472



**Deuteranomaly**  
CBCE7C

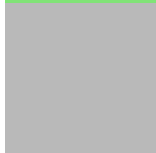


**Tritanomaly**  
8FDDBF

# Monochromacy



**Original Color**  
81E377



**Achromatopsia**  
B9B9B9



**Achromatomaly**  
A5C8A1

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81E377 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 #81E377 looks like.

```
.text, #text, p{  
    color:#81E377  
}
```

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 #81E377 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81E377
}
```

## Border

The CSS property to change the border of an element to Hex 81E377 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
#81E377 }
```

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

```
.border{ border-color:#81E377 }
```

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

Here you see how a box with a 4 pixel #81E377 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81E377; -webkit-box-shadow:4px 4px  
4px 4px #81E377; box-shadow:4px 4px 4px  
4px #81E377 }
```

# Background

The CSS property to change the background color of an element to Hex 81E377 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81E377 }
```

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

```
.background{ background-color:#81E377 }
```

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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