

# Converting Colors

Hex(81CA61)

Have a look what the booklet for  
Hex(81CA61) contains.

<b>Hex(81CA61)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(81CA61)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	81CA61
RGB	129, 202, 97
RGB Percent	51%, 79%, 38%
CMY	0.4941, 0.2078, 0.6196
CMYK	0.36, 0.00, 0.52, 0.21
HSL	102°, 50%, 59%
HSV	102°, 52%, 79%
XYZ	32.3315, 47.7713, 18.8260
YIQ	168.2030, -9.8030, -48.1310

# Conversions

## Conversions Part 2

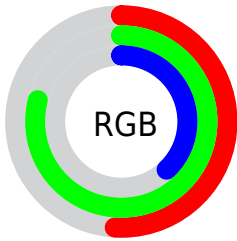
<b>Format</b>	<b>Color</b>
<b>RYB</b>	97, 202, 170
Decimal	8505953
CIELab	74.68, -41.83, 44.93
CIELCh	75, 61.386, 132.957
Yxy	47.7713, 0.3268, 0.4829
Android (android.graphics.Color)	4286696033 (0xFF81CA61)
YUV	168.2030, -35.1031, -34.3810
Hunter-Lab	69.1168, -37.4555, 32.2323

# Details

The Hex color **81CA61** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **AA61CA**, and the grayscale version is **A9A9A9**.

A 20% lighter version of the original color is **B9FF96**, and **4A932E** is the 20% darker color. If you saturate the color by 10%, you get **73CA4D**, and if you desaturate by 10%, it is **8FCA75**.

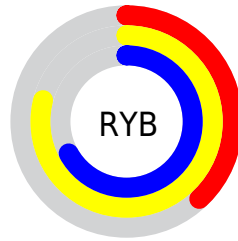
# Distribution



Red (51%)

Green (79%)

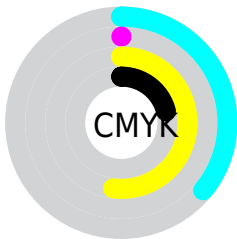
Blue (38%)



Red (38%)

Yellow (79%)

Blue (67%)

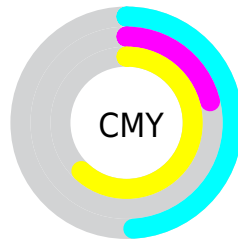


Cyan (36%)

Magenta (0%)

Yellow (52%)

Black (21%)



Cyan (49%)

Magenta (21%)


Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81CA61 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 81CA61 by changing the saturation by 10% instead.



 81CA61

 81CA61

FFFFFF

 66AE47

 B9FF96

 4A932E

 D6FFB1

 2E7912

 F3FFCD

 086000


 FFFFEA

 004700

 003000

 001900

 000000

 81CA61

 81CA61

 73CA4D

 8FCA75

 65CA39

 9DCA89

 57CA24

 ABCA9E

 49CA10

 B9CAB2

 3ECA00

 C7CAC6

 D5CADA

 E3CAEE

 F1CAFF

 FFCAFF

# Harmonies

## Analogous

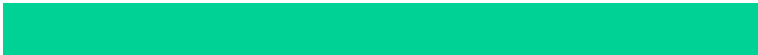
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



C0BD42



81CA61



00D195

# Triad

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



81CA61



00C7FF



FF86A1

# Complementary

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



81CA61



AA61CA

# 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.



FF8BDA



81CA61



7FB6FF

# Square

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



81CA61



00D1FF



DB9FFF



FF946D

# Rectangle

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



81CA61



00D4BC



DB9FFF



FF85B4

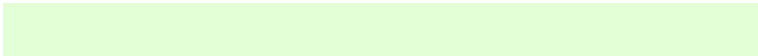


# Sweetspot

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



81CA61



E3FFD6



CAA961



6F8067



000000



808080



# Same Dimension

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



81CA61



91FF61



61CA74



5F665C



33A600



0C2600



# Inverse Universe

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



AA61CA



CF61FF



CA61B7



635C66



7300A6



1B0026



# Previews

## White Background



This preview shows how the Hex color 81CA61 looks on a white background.

## Color Contrast Check

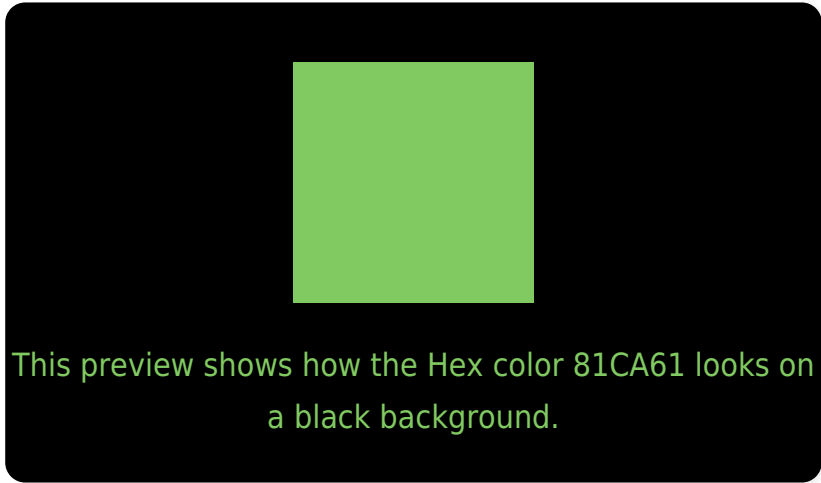
Large Text (above 18pt) WCAG AA × Fail

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 81CA61 Background



This preview shows how black text looks on a background with the Hex color 81CA61.

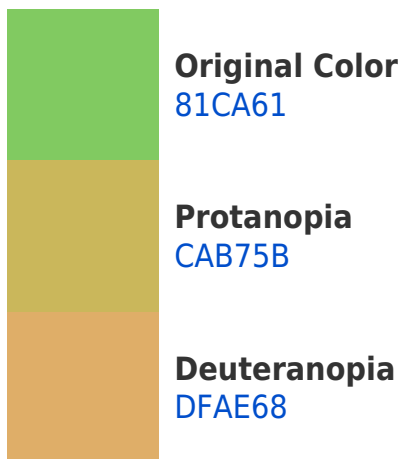


This preview shows how white text looks on a background with the Hex color 81CA61.

# 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](#).

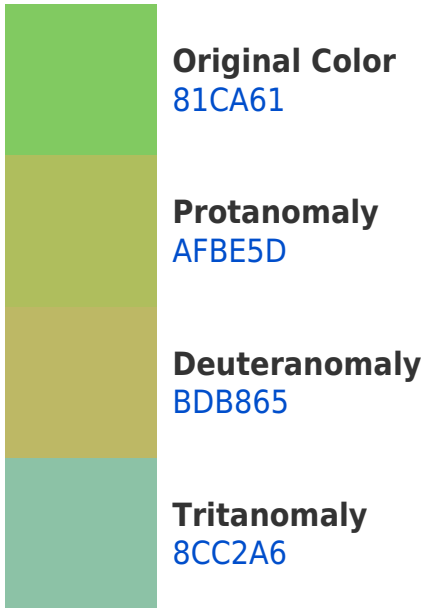
## Dichromacy



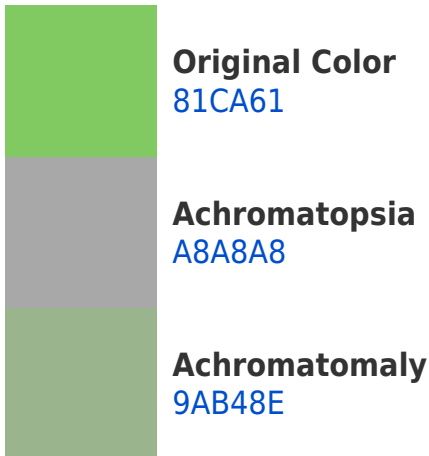


**Tritanopia**  
93BECD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81CA61 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 #81CA61 looks like.

```
.text, #text, p{  
    color:#81CA61  
}
```

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 #81CA61 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81CA61
}
```

## Border

The CSS property to change the border of an element to Hex 81CA61 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
#81CA61 }
```

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

```
.border{ border-color:#81CA61 }
```

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

Here you see how a box with a 4 pixel #81CA61 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81CA61; -webkit-box-shadow:4px 4px  
4px 4px #81CA61; box-shadow:4px 4px 4px  
4px #81CA61 }
```

# Background

The CSS property to change the background color of an element to Hex 81CA61 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81CA61 }
```

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

```
.background{ background-color:#81CA61 }
```

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