

# Converting Colors

Hex(81D621)

Have a look what the booklet for  
Hex(81D621) contains.

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**Color**

**Hex(81D621)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	81D621
RGB	129, 214, 33
RGB Percent	51%, 84%, 13%
CMY	0.4941, 0.1608, 0.8706
CMYK	0.40, 0.00, 0.85, 0.16
HSL	88°, 73%, 48%
HSV	88°, 85%, 84%
XYZ	33.3743, 52.8701, 9.8848
YIQ	167.9510, 7.4410, -74.3110

# Conversions

## Conversions Part 2

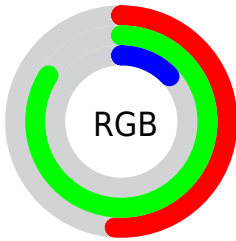
Format	Color
<b>RYB</b>	33, 214, 118
Decimal	8508961
CIELab	77.80, -51.56, 71.83
CIELCh	78, 88.421, 125.668
Yxy	52.8701, 0.3472, 0.5500
Android (android.graphics.Color)	4286699041 (0xFF81D621)
YUV	167.9510, -66.5308, -34.1600
Hunter-Lab	72.7118, -45.3151, 42.8381

# Details

The Hex color **81D621** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **7621D6**, and the grayscale version is **A9A9A9**.

A 20% lighter version of the original color is **BCFF61**, and **459F00** is the 20% darker color. If you saturate the color by 10%, you get **77D60C**, and if you desaturate by 10%, it is **8BD636**.

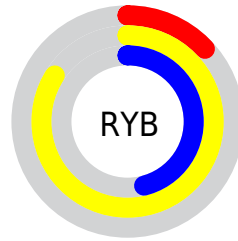
# Distribution



Red (51%)

Green (84%)

Blue (13%)



Red (13%)

Yellow (84%)

Blue (46%)

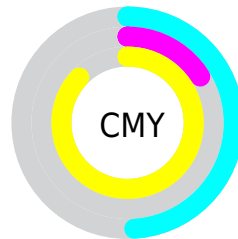


Cyan (40%)

Magenta (0%)

Yellow (85%)

Black (16%)



Cyan (49%)

Magenta (16%)


Yellow (87%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 81D621 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 81D621 by changing the saturation by 10% instead.



 81D621

 81D621

FFFFFF

 63BA00

 BCFF61

 459F00

 DAFF7E

 218400

 F8FF9A

 006A00

 FFFFB7

 005100


 FFFFD4


 003900

 FFFFF2

 002200

 000000

 81D621

 81D621

 77D60C

 8BD636

 72D600

 95D64C

 9FD661

 A9D677

 B3D68C

 BDD6A1

 C7D6B7

 D1D6CC

 DBD6E2

# Harmonies

## Analogous

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



D8C200



81D621



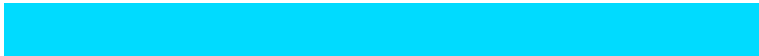
00E178

# Triad

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



81D621



00DBFF



FF66B4

# Complementary

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



81D621



7621D6

# 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.



FF7AFF



81D621



00C5FF

# Square

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



81D621



00E4FF



D4A3FF



FF7D65

# Rectangle

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



81D621



00E5B1



D4A3FF



FF68D0

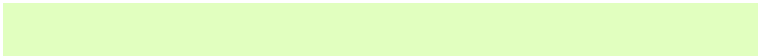


# Sweetspot

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



81D621



E1FFBF



D67521



6E8059



000000



808080



# Same Dimension

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



81D621



87FF00



27D621



666B60



5BAB00



172B00



# Inverse Universe

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



7621D6



7800FF



D021D6



65606B



5000AB



14002B



# Previews

## White Background



This preview shows how the Hex color 81D621 looks on a white background.

## Color Contrast Check

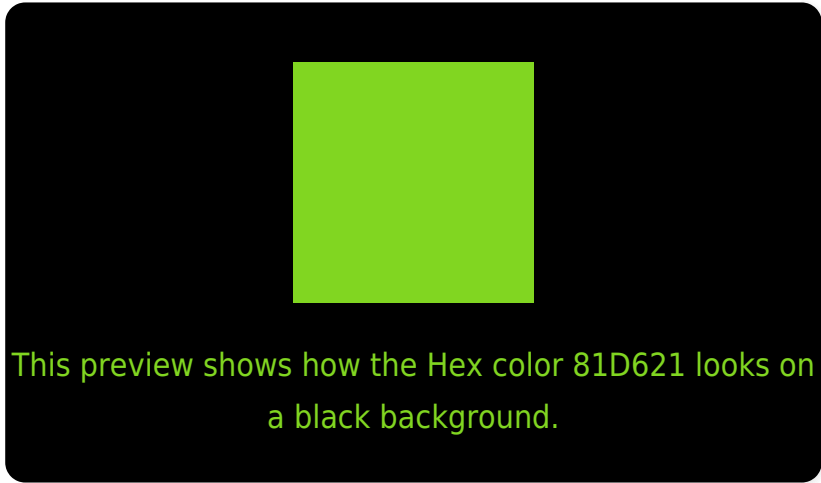
Large Text (above 18pt) WCAG AA × Fail

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 81D621 Background



This preview shows how black text looks on a background with the Hex color 81D621.

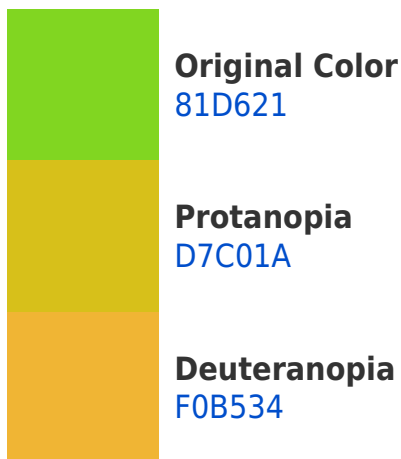


This preview shows how white text looks on a background with the Hex color 81D621.

# 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**  
99C7D7

# Trichromacy



**Original Color**  
81D621



**Protanomaly**  
B8C81D



**Deuteranomaly**  
C8C12D

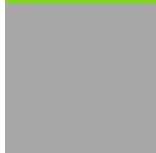


**Tritanomaly**  
90CC95

# Monochromacy



**Original Color**  
81D621



**Achromatopsia**  
A8A8A8



**Achromatomaly**  
9AB977

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81D621 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 #81D621 looks like.

```
.text, #text, p{  
    color:#81D621  
}
```

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 #81D621 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81D621
}
```

## Border

The CSS property to change the border of an element to Hex 81D621 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
#81D621 }
```

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

```
.border{ border-color:#81D621 }
```

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

Here you see how a box with a 4 pixel #81D621 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81D621; -webkit-box-shadow:4px 4px  
4px 4px #81D621; box-shadow:4px 4px 4px  
4px #81D621 }
```

# Background

The CSS property to change the background color of an element to Hex 81D621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81D621 }
```

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

```
.background{ background-color:#81D621 }
```

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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