

# Converting Colors

Hex(81EC21)

Have a look what the booklet for  
Hex(81EC21) contains.

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# Color

**Hex(81EC21)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	81EC21
RGB	129, 236, 33
RGB Percent	51%, 93%, 13%
CMY	0.4941, 0.0745, 0.8706
CMYK	0.45, 0.00, 0.86, 0.07
HSL	92°, 84%, 53%
HSV	92°, 86%, 93%
XYZ	39.3232, 64.7678, 11.8677
YIQ	180.8650, 1.3910, -85.8170

# Conversions

## Conversions Part 2

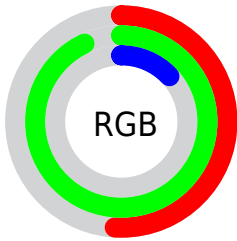
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 236, 140
Decimal	8514593
CIE <sub>Lab</sub>	84.36, -60.03, 77.51
CIE <sub>LCh</sub>	84, 98.037, 127.761
Yxy	64.7678, 0.3391, 0.5585
Android (android.graphics.Color)	4286704673 (0xFF81EC21)
YUV	180.8650, -72.8974, -45.4856
Hunter-Lab	80.4785, -53.6190, 47.5917

# Details

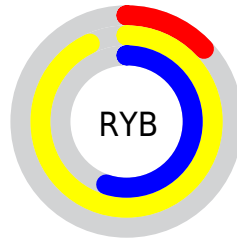
The Hex color **81EC21** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **8C21EC**, and the grayscale version is **B6B6B6**.

A 20% lighter version of the original color is **BEFF65**, and **40B300** is the 20% darker color. If you saturate the color by 10%, you get **75EC09**, and if you desaturate by 10%, it is **8DEC39**.

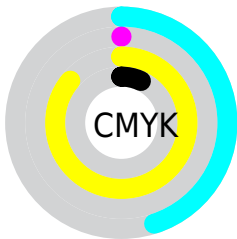
# Distribution



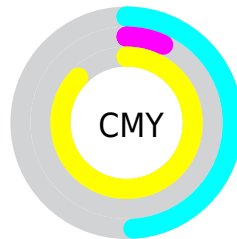
- Red (51%)
- Green (93%)
- Blue (13%)



- Red (13%)
- Yellow (93%)
- Blue (55%)



- Cyan (45%)
- Magenta (0%)
- Yellow (86%)
- Black (7%)



- Cyan (49%)
- Magenta (7%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81EC21 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 81EC21 by changing the saturation by 10% instead.



 81EC21

 81EC21

FFFFFF

 62CF00

 BEFF65

 40B300

 DCFE82

 129800

 FBFF9F

 007D00

 FFFFBC

 006300

 FFFFDA


 004A00


 FFFFF8

 003300

 001800

 000000

 81EC21

 81EC21

 75EC09

 8DEC39

 70EC00

 9AEC50

 A6EC68

 B3EC7F

 BFEC97

 CCECAF

 D8ECC6

 E5ECDE

 F1ECF5

# Harmonies

## Analogous

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



E6D600



81EC21



00F888

# Triad

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



81EC21



00EFFF



FF6ABE

# Complementary

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



81EC21



8C21EC

# 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.



FF7FFF



81EC21



00D6FF

# Square

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



81EC21



00FAFF



F1AEFF



FF8866

# Rectangle

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



81EC21



00FBC8



F1AEFF



FF6BDE

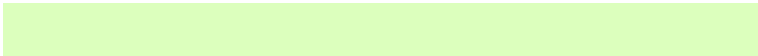


# Sweetspot

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



81EC21



DCFFBD



EC8A21



6B8058



000000



808080



# Same Dimension

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



81EC21



79FF00



21EC24



6F756A



56B500



193600



# Inverse Universe

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



8C21EC



8600FF



EC21E9



706A75



5F00B5



1C0036



# Previews

## White Background



This preview shows how the Hex color 81EC21 looks on a white background.

## Color Contrast Check

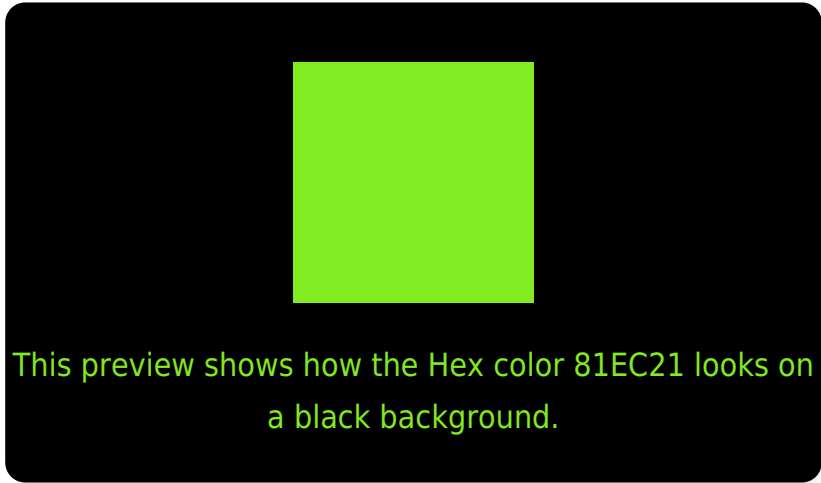
Large Text (above 18pt) WCAG AA × Fail

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 81EC21 Background



This preview shows how black text looks on a background with the Hex color 81EC21.

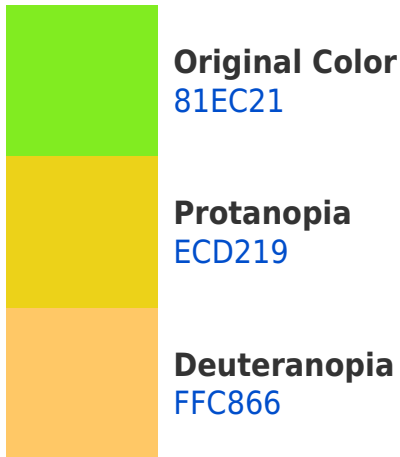


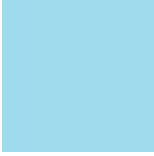
This preview shows how white text looks on a background with the Hex color 81EC21.

# 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**  
9EDCED

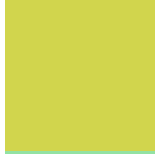
# Trichromacy



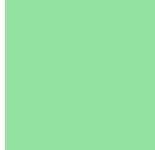
**Original Color**  
81EC21



**Protanomaly**  
C5DB1C



**Deuteranomaly**  
D1D54D

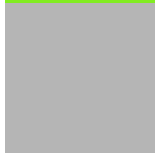


**Tritanomaly**  
93E2A3

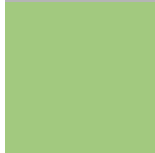
# Monochromacy



**Original Color**  
81EC21



**Achromatopsia**  
B5B5B5



**Achromatomaly**  
A2C97F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81EC21 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 #81EC21 looks like.

```
.text, #text, p{  
    color:#81EC21  
}
```

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 #81EC21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81EC21
}
```

## Border

The CSS property to change the border of an element to Hex 81EC21 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
#81EC21 }
```

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

```
.border{ border-color:#81EC21 }
```

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

Here you see how a box with a 4 pixel #81EC21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81EC21; -webkit-box-shadow:4px 4px  
4px 4px #81EC21; box-shadow:4px 4px 4px  
4px #81EC21 }
```

# Background

The CSS property to change the background color of an element to Hex 81EC21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81EC21 }
```

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

```
.background{ background-color:#81EC21 }
```

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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