

# Converting Colors

Hex(81B245)

Have a look what the booklet for  
Hex(81B245) contains.

<b>Hex(81B245)</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(81B245)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	81B245
RGB	129, 178, 69
RGB Percent	51%, 70%, 27%
CMY	0.4941, 0.3020, 0.7294
CMYK	0.28, 0.00, 0.61, 0.30
HSL	87°, 44%, 48%
HSV	87°, 61%, 70%
XYZ	26.0478, 36.9376, 11.3870
YIQ	150.9230, 5.7850, -44.2870

# Conversions

## Conversions Part 2

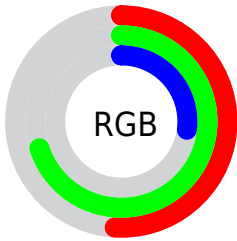
Format	Color
<a href="#">RYB</a>	<a href="#">69, 178, 118</a>
Decimal	<a href="#">8499781</a>
CIELab	<a href="#">67.23, -33.98, 49.27</a>
CIELCh	<a href="#">67, 59.851, 124.589</a>
Yxy	<a href="#">36.9376, 0.3502, 0.4967</a>
Android (android.graphics.Color)	<a href="#">4286689861 (0xFF81B245)</a>
YUV	<a href="#">150.9230, -40.3880, -19.2265</a>
Hunter-Lab	<a href="#">60.7763, -29.8560, 31.4349</a>

# Details

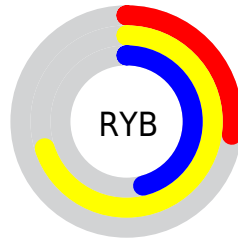
The Hex color **81B245** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7645B2**, and the grayscale version is **979797**.

A 20% lighter version of the original color is **B9EA79**, and **4B7D0B** is the 20% darker color. If you saturate the color by 10%, you get **79B233**, and if you desaturate by 10%, it is **89B257**.

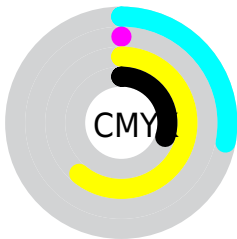
# Distribution



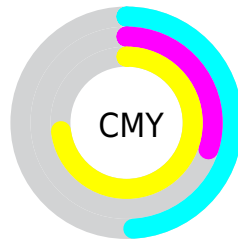
- Red (51%)
- Green (70%)
- Blue (27%)



- Red (27%)
- Yellow (70%)
- Blue (46%)



- Cyan (28%)
- Magenta (0%)
- Yellow (61%)
- Black (30%)



- Cyan (49%)
- Magenta (30%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81B245 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 81B245 by changing the saturation by 10% instead.





81B245



81B245

FFFFFF



66972B



B9EA79



4B7D0B



D5FF94



316400



F2FFB0



154B00



FFFFCC



003400



FFFFE9



002100



000000



81B245




81B245




79B233



89B257

 71B221

 91B269

 69B210

 99B27A

 62B200

 A1B28C

 A9B29E

 B1B2B0

 B9B2C2

 C1B2D3

 C9B2E5

# Harmonies

## Analogous

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



B9A42F



81B245



25BA73

# Triad

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



81B245



00B5FF



FF729E

# Complementary

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



81B245



7645B2

# 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.



EC7CD3



81B245



3DA7FF

# Square

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



81B245



00BDDF



B192FD



FF7C69

# Rectangle

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



81B245



00BD98



B192FD



FF73B0



# Sweetspot

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



81B245



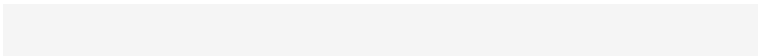
D5E8BE



B27445



6A755B



F5F5F5



757575



# Same Dimension

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



81B245



9CE83F



4CB245



555950



549900



0E1A00



# Inverse Universe

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



7645B2



8B3FE8



AB45B2



545059



450099



0B001A



# Previews

## White Background



This preview shows how the Hex color 81B245 looks on a white background.

## Color Contrast Check

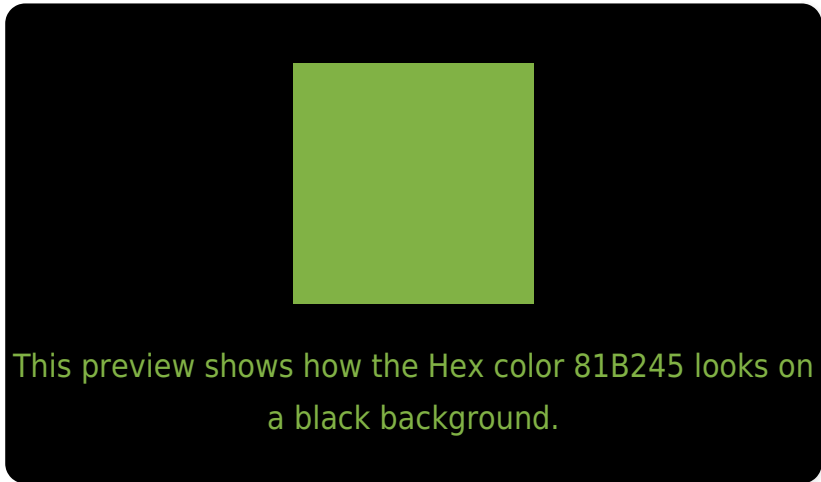
Large Text (above 18pt) WCAG AA × Fail

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 81B245 Background



This preview shows how black text looks on a background with the Hex color 81B245.



This preview shows how white text looks on a background with the Hex color 81B245.

# 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](#).

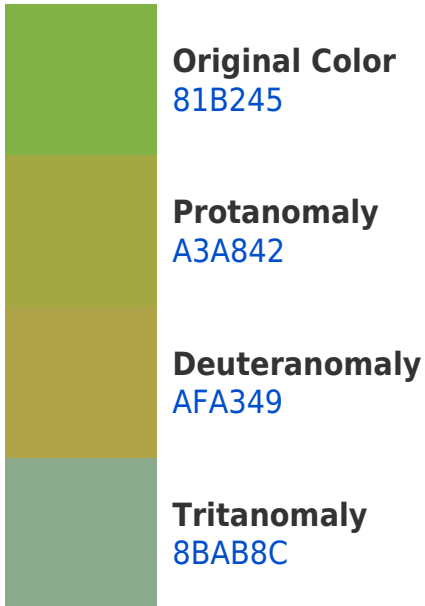
## Dichromacy



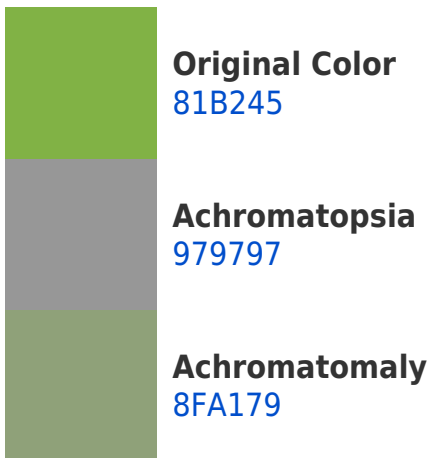


**Tritanopia**  
90A7B4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81B245 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 #81B245 looks like.

```
.text, #text, p{  
    color:#81B245  
}
```

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 #81B245 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81B245
}
```

## Border

The CSS property to change the border of an element to Hex 81B245 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
#81B245 }
```

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

```
.border{ border-color:#81B245 }
```

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

Here you see how a box with a 4 pixel #81B245 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81B245; -webkit-box-shadow:4px 4px  
4px 4px #81B245; box-shadow:4px 4px 4px  
4px #81B245 }
```

# Background

The CSS property to change the background color of an element to Hex 81B245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81B245 }
```

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

```
.background{ background-color:#81B245 }
```

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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