

# Converting Colors

Hex(80A849)

Have a look what the booklet for  
Hex(80A849) contains.

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**Color**

**Hex(80A849)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	80A849
RGB	128, 168, 73
RGB Percent	50%, 66%, 29%
CMY	0.4980, 0.3412, 0.7137
CMYK	0.24, 0.00, 0.57, 0.34
HSL	85°, 39%, 47%
HSV	85°, 57%, 66%
XYZ	24.1073, 33.0755, 11.4170
YIQ	145.2100, 6.6550, -38.0250

# Conversions

## Conversions Part 2

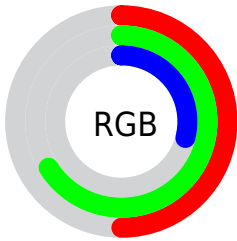
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">73, 168, 113</a>
Decimal	<a href="#">8431689</a>
CIELab	<a href="#">64.22, -29.28, 44.00</a>
CIElCh	<a href="#">64, 52.857, 123.644</a>
Yxy	<a href="#">33.0755, 0.3514, 0.4822</a>
Android (android.graphics.Color)	<a href="#">4286621769 (0xFF80A849)</a>
YUV	<a href="#">145.2100, -35.5995, -15.0932</a>
Hunter-Lab	<a href="#">57.5113, -25.8220, 28.4879</a>

# Details

The Hex color **80A849** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **7149A8**, and the grayscale version is **929292**.

A 20% lighter version of the original color is **B7DF7D**, and **4C7415** is the 20% darker color. If you saturate the color by 10%, you get **79A838**, and if you desaturate by 10%, it is **87A85A**.

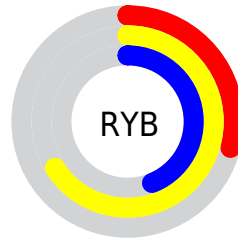
# Distribution



Red (50%)

Green (66%)

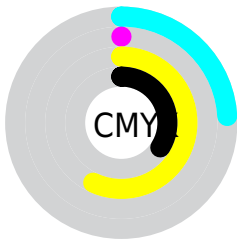
Blue (29%)



Red (29%)

Yellow (66%)

Blue (44%)

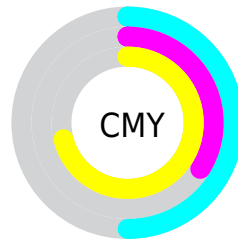


Cyan (24%)

Magenta (0%)

Yellow (57%)

Black (34%)



Cyan (50%)

Magenta (34%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80A849 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 80A849 by changing the saturation by 10% instead.





80A849



80A849

FFFFFF



658D30



B7DF7D



4C7415



D3FC97



325B00



F0FFB3



194300



FFFFCF



002C00



FFFEB



001700



000000



80A849



80A849



79A838



87A85A

 72A827

 8EA86B

 6BA817

 95A87B

 64A806

 9CA88C

 61A800

 A3A89D

 AAA8AE

 B2A8BF

 B9A8CF

 C0A8E0

# Harmonies

## Analogous

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



B19B38



80A849



3BB070

# Triad

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



80A849



00ACF0



F27298

# Complementary

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



80A849



7149A8

# 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.



DA7BC6



80A849



499FFA

# Square

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



80A849



00B2CF



A68DEA



EF796A

# Rectangle

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



80A849



00B290



A68DEA



ED73A8



# Sweetspot

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



80A849



CCDDB6



A87149



646E58



EDEDED



6E6E6E



# Same Dimension

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



80A849



9DDB46



51A849



51544C



569400



0C1400



# Inverse Universe

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



7149A8



8546DB



A049A8



4F4C54



3E0094



090014



# Previews

## White Background



This preview shows how the Hex color 80A849 looks on a white background.

## Color Contrast Check

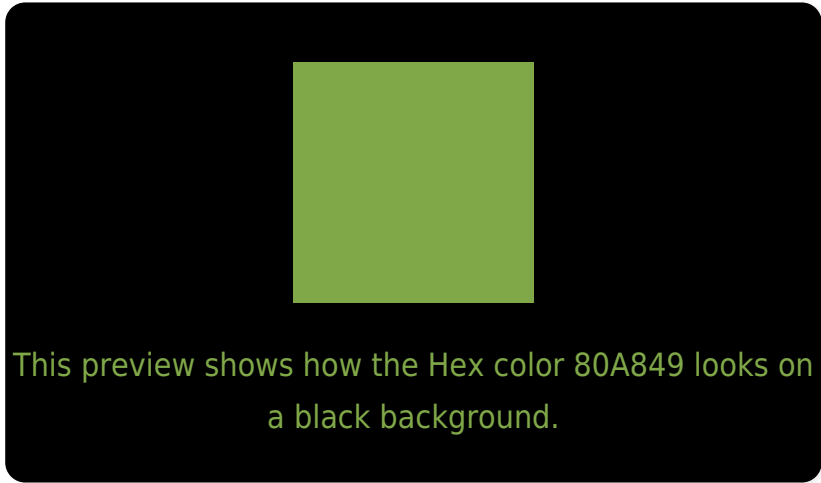
Large Text (above 18pt) WCAG AA × Fail

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 80A849 Background



This preview shows how black text looks on a background with the Hex color 80A849.

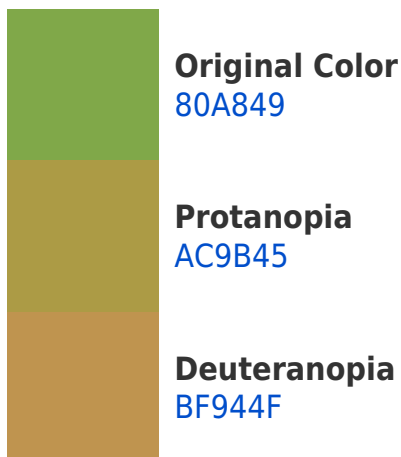


This preview shows how white text looks on a background with the Hex color 80A849.

# 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](#).

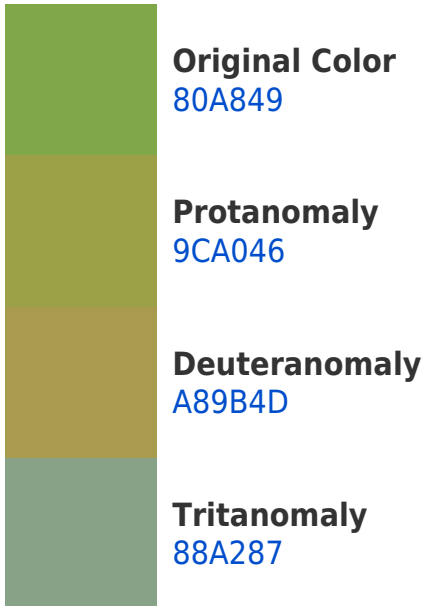
## Dichromacy



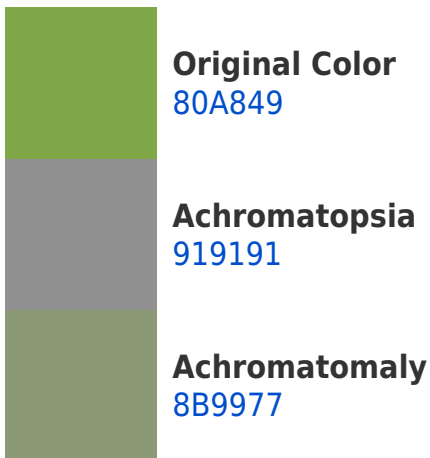


**Tritanopia**  
8D9EAA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80A849 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 #80A849 looks like.

```
.text, #text, p{  
    color:#80A849  
}
```

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 #80A849 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80A849
}
```

## Border

The CSS property to change the border of an element to Hex 80A849 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
#80A849 }
```

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

```
.border{ border-color:#80A849 }
```

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

Here you see how a box with a 4 pixel #80A849 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80A849; -webkit-box-shadow:4px 4px  
4px 4px #80A849; box-shadow:4px 4px 4px  
4px #80A849 }
```

# Background

The CSS property to change the background color of an element to Hex 80A849 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80A849 }
```

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

```
.background{ background-color:#80A849 }
```

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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