

# Converting Colors

Hex(81A746)

Have a look what the booklet for  
Hex(81A746) contains.

<b>Hex(81A746)</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(81A746)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	81A746
RGB	129, 167, 70
RGB Percent	51%, 65%, 27%
CMY	0.4941, 0.3451, 0.7255
CMYK	0.23, 0.00, 0.58, 0.35
HSL	84°, 41%, 46%
HSV	84°, 58%, 65%
XYZ	23.9775, 32.7468, 10.8514
YIQ	144.5800, 8.4890, -38.2230

# Conversions

## Conversions Part 2

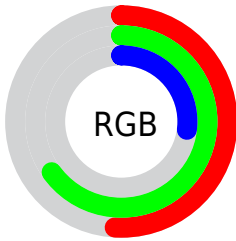
<b>Format</b>	<b>Color</b>
<b>RYB</b>	70, 167, 108
Decimal	8496966
CIELab	63.96, -28.70, 45.13
CIELCh	64, 53.483, 122.460
Yxy	32.7468, 0.3548, 0.4846
Android (android.graphics.Color)	4286687046 (0xFF81A746)
YUV	144.5800, -36.7679, -13.6637
Hunter-Lab	57.2248, -25.3510, 28.8144

# Details

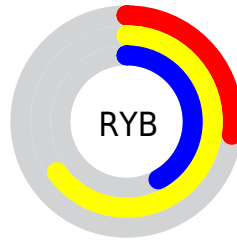
The Hex color **81A746** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6C46A7**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **B8DE7A**, and **4C7311** is the 20% darker color. If you saturate the color by 10%, you get **7AA735**, and if you desaturate by 10%, it is **88A757**.

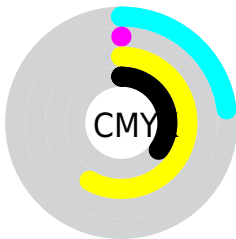
# Distribution



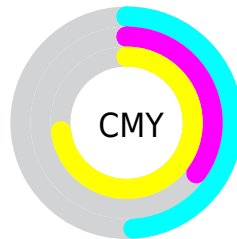
- Red (51%)
- Green (65%)
- Blue (27%)



- Red (27%)
- Yellow (65%)
- Blue (42%)



- Cyan (23%)
- Magenta (0%)
- Yellow (58%)
- Black (35%)



- Cyan (49%)
- Magenta (35%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81A746 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 81A746 by changing the saturation by 10% instead.





81A746



81A746

FFFFFF



668C2D



B8DE7A



4C7311



D4FB94



335A00



F1FFB0



194200



FFFFCC



002C00



FFFFE8



001600



000000



81A746



81A746



7AA735



88A757

 74A725

 8EA767

 6DA714

 95A778

 67A703

 9BA789

 66A700

 A2A79A

 A8A7AA

 AFA7BB

 B5A7CC

 BCA7DC

# Harmonies

## Analogous

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



B29A36



81A746



3CAF6D

# Triad

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



81A746



00ABEF



F17199

# Complementary

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



81A746



6C46A7

# 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.



D87AC8



81A746



409FFA

# Square

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



81A746



00B1CD



A28DEC



F0776A

# Rectangle

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



81A746



00B28D



A28DEC



EC72A9



# Sweetspot

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



81A746



CAD9B4



A76B46



656E58



EDEDED



6E6E6E



# Same Dimension

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



81A746



9DD941



51A746



51544C



5A9400



0C1400



# Inverse Universe

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



6C46A7



7C41D9



9C46A7



4F4C54



3A0094



080014



# Previews

## White Background



This preview shows how the Hex color 81A746 looks on a white background.

## Color Contrast Check

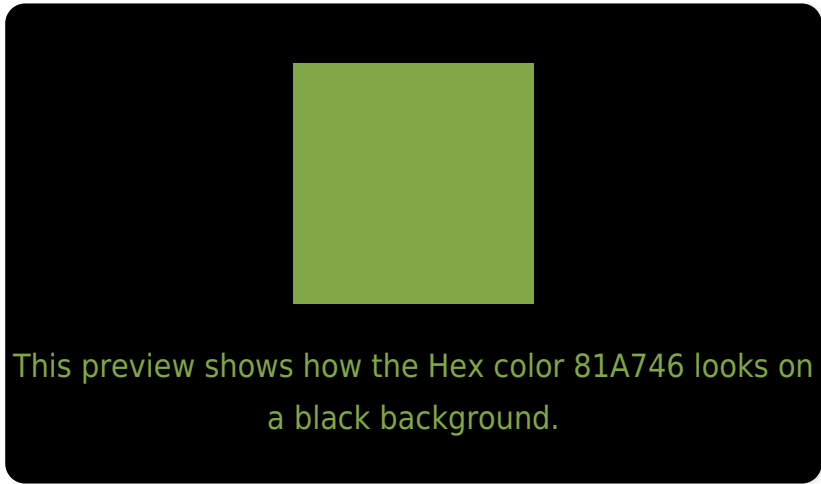
Large Text (above 18pt) WCAG AA × Fail

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 81A746 Background



This preview shows how black text looks on a background with the Hex color 81A746.



This preview shows how white text looks on a background with the Hex color 81A746.

# 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



**Original Color**  
81A746

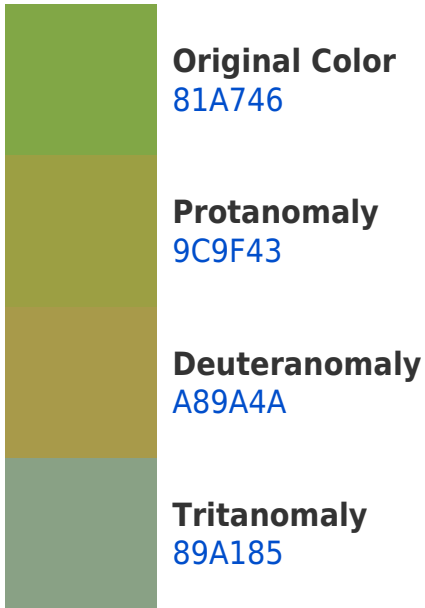
**Protanopia**  
AC9B42

**Deuteranopia**  
BE934C



**Tritanopia**  
8E9DA9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81A746 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 #81A746 looks like.

```
.text, #text, p{  
    color:#81A746  
}
```

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 #81A746 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81A746
}
```

## Border

The CSS property to change the border of an element to Hex 81A746 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
#81A746 }
```

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

```
.border{ border-color:#81A746 }
```

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

Here you see how a box with a 4 pixel #81A746 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81A746; -webkit-box-shadow:4px 4px  
4px 4px #81A746; box-shadow:4px 4px 4px  
4px #81A746 }
```

# Background

The CSS property to change the background color of an element to Hex 81A746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81A746 }
```

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

```
.background{ background-color:#81A746 }
```

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