

# Converting Colors

Hex(81B866)

Have a look what the booklet for  
Hex(81B866) contains.

<b>Hex(81B866)</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(81B866)**

# Conversions

## Conversions Part 1

Format	Color
Hex	81B866
RGB	129, 184, 102
RGB Percent	51%, 72%, 40%
CMY	0.4941, 0.2784, 0.6000
CMYK	0.30, 0.00, 0.45, 0.28
HSL	100°, 37%, 56%
HSV	100°, 45%, 72%
XYZ	28.5920, 39.9074, 18.7663
YIQ	158.2070, -6.4580, -37.1620

# Conversions

## Conversions Part 2

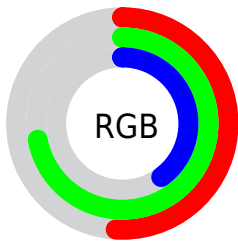
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">102, 184, 157</a>
Decimal	<a href="#">8501350</a>
CIELab	<a href="#">69.40, -33.10, 35.95</a>
CIELCh	<a href="#">69, 48.862, 132.638</a>
Yxy	<a href="#">39.9074, 0.3276, 0.4573</a>
Android (android.graphics.Color)	<a href="#">4286691430 (0xFF81B866)</a>
YUV	<a href="#">158.2070, -27.7101, -25.6145</a>
Hunter-Lab	<a href="#">63.1723, -29.7618, 26.6076</a>

# Details

The Hex color **81B866** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **9D66B8**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **B8F09A**, and **4D8335** is the 20% darker color. If you saturate the color by 10%, you get **75B854**, and if you desaturate by 10%, it is **8DB878**.

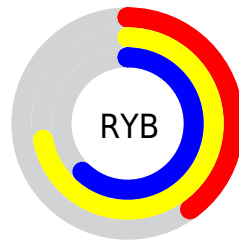
# Distribution



Red (51%)

Green (72%)

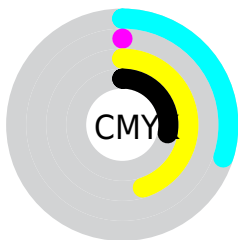
Blue (40%)



Red (40%)

Yellow (72%)

Blue (62%)

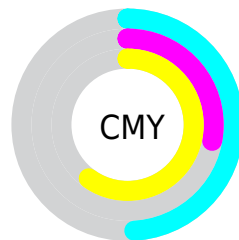


Cyan (30%)

Magenta (0%)

Yellow (45%)

Black (28%)



Cyan (49%)

Magenta (28%)

Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 81B866 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 81B866 by changing the saturation by 10% instead.



 81B866

 81B866

FFFFFF

 679D4D

 B8F09A

 4D8335

 D4FFB5

 33691C

 F1FFD1

 175002

 FFFFEE

 003900

 002400

 000000

 81B866

 81B866

 75B854

 8DB878

68B841

9AB88B

5CB82F

A6B89D

50B81C

B2B8B0

43B80A

BFB8C2

3DB800

CBB8D4

D7B8E7

E4B8F9

F0B8FF

# Harmonies

## Analogous

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



B2AD50



81B866



3DBE8E

# Triad

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



81B866



00B5FD



FD8598

# Complementary

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



81B866



9D66B8

# 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.



EE88C5



81B866



82A8FF

# Square

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



81B866



00BDE4



C597EB



F58E70

# Rectangle

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



81B866



00C0AC



C597EB



FB84A7



# Sweetspot

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



81B866



DBF0D1



B89D66



6B7865



F7F7F7



787878



# Same Dimension

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



81B866



9AF071



66B874



565C53



339C00



091C00



# Inverse Universe

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



9D66B8



C671F0



B866AA



59535C



68009C



13001C



# Previews

## White Background



This preview shows how the Hex color 81B866 looks on a white background.

## Color Contrast Check

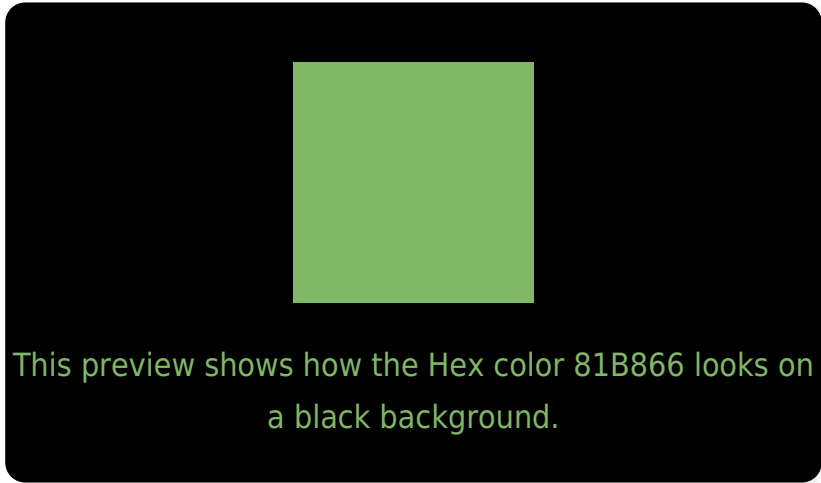
Large Text (above 18pt) WCAG AA × Fail

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 81B866 Background



This preview shows how black text looks on a background with the Hex color 81B866.



This preview shows how white text looks on a background with the Hex color 81B866.

# 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**  
81B866

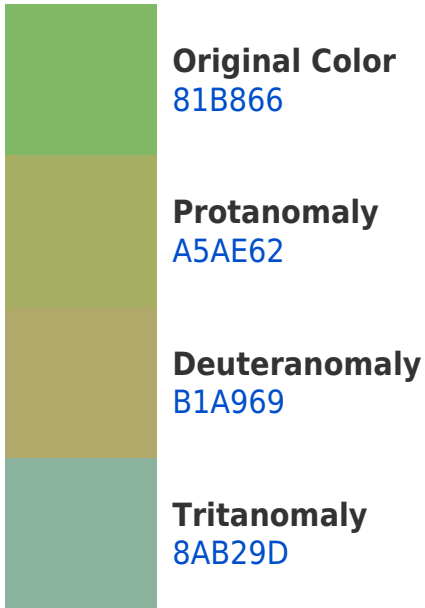
**Protanopia**  
B9A960

**Deuteranopia**  
CCA16B



**Tritanopia**  
8FAEBC

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 81B866 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 #81B866 looks like.

```
.text, #text, p{  
    color:#81B866  
}
```

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 #81B866 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #81B866
}
```

## Border

The CSS property to change the border of an element to Hex 81B866 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
#81B866 }
```

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

```
.border{ border-color:#81B866 }
```

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

Here you see how a box with a 4 pixel #81B866 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #81B866; -webkit-box-shadow:4px 4px  
4px 4px #81B866; box-shadow:4px 4px 4px  
4px #81B866 }
```

# Background

The CSS property to change the background color of an element to Hex 81B866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#81B866 }
```

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

```
.background{ background-color:#81B866 }
```

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