

# Converting Colors

Hex(80A346)

Have a look what the booklet for  
Hex(80A346) contains.

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**Color**

**Hex(80A346)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	80A346
RGB	128, 163, 70
RGB Percent	50%, 64%, 27%
CMY	0.4980, 0.3608, 0.7255
CMYK	0.21, 0.00, 0.57, 0.36
HSL	83°, 40%, 46%
HSV	83°, 57%, 64%
XYZ	23.1048, 31.2258, 10.6038
YIQ	141.9330, 8.9930, -36.3430

# Conversions

## Conversions Part 2

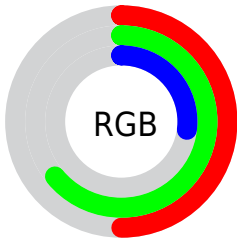
Format	Color
<a href="#">RYB</a>	<a href="#">70, 163, 105</a>
Decimal	<a href="#">8430406</a>
CIELab	<a href="#">62.70, -27.16, 43.67</a>
CIELCh	<a href="#">63, 51.429, 121.883</a>
Yxy	<a href="#">31.2258, 0.3558, 0.4809</a>
Android (android.graphics.Color)	<a href="#">4286620486 (0xFF80A346)</a>
YUV	<a href="#">141.9330, -35.4630, -12.2192</a>
Hunter-Lab	<a href="#">55.8800, -23.9855, 27.8652</a>

# Details

The Hex color **80A346** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6946A3**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **B7DA79**, and **4C6F12** is the 20% darker color. If you saturate the color by 10%, you get **7AA336**, and if you desaturate by 10%, it is **86A356**.

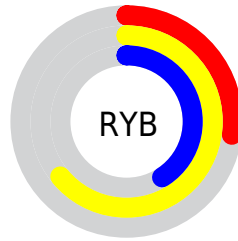
# Distribution



Red (50%)

Green (64%)

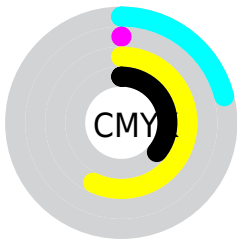
Blue (27%)



Red (27%)

Yellow (64%)

Blue (41%)

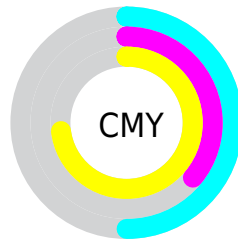


Cyan (21%)

Magenta (0%)

Yellow (57%)

Black (36%)



Cyan (50%)

Magenta (36%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80A346 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 80A346 by changing the saturation by 10% instead.





80A346



80A346

FFFFFF



66892D



B7DA79



4C6F12



D3F794



325700



F0FFAF



193F00



FFFFCB



002900



FFFFE8



001100



000000



80A346



80A346



7AA336



86A356

 74A325

 8CA367

 6EA315

 92A377

 67A305

 99A387

 66A300

 9FA398

 A5A3A8

 ABA3B8

 B1A3C8

 B7A3D9

# Harmonies

## Analogous

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



AF9637



80A346



40AB6B

# Triad

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



80A346



00A8E8



EA6F97

# Complementary

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



80A346



6946A3

# 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.



D279C3



80A346



409CF3

# Square

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



80A346



00ADC7



9E8AE5



E9756A

# Rectangle

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



80A346



00AE89



9E8AE5



E571A6



# Sweetspot

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



80A346



C6D4B0



A36846



636B56



EBEBEB



6B6B6B



# Same Dimension

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



80A346



9DD444



52A346



4F5249



5B9100



0B1200



# Inverse Universe

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



6946A3



7A44D4



9746A3



4D4952



370091



070012



# Previews

## White Background



This preview shows how the Hex color 80A346 looks on a white background.

## Color Contrast Check

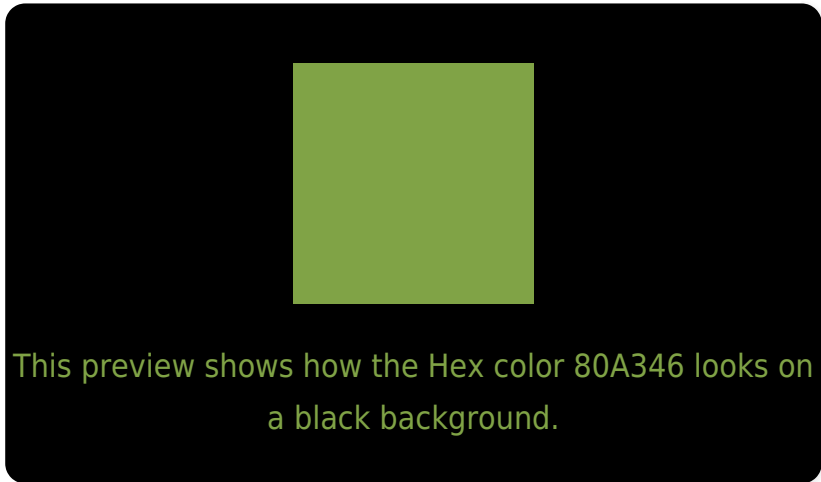
Large Text (above 18pt) WCAG AA × Fail

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 80A346 Background



This preview shows how black text looks on a background with the Hex color 80A346.



This preview shows how white text looks on a background with the Hex color 80A346.

# 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**  
80A346

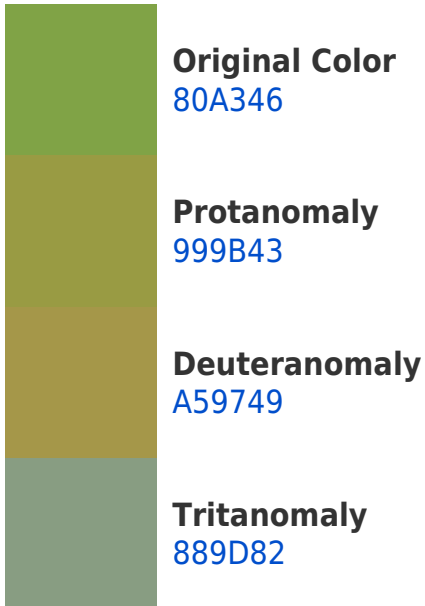
**Protanopia**  
A89742

**Deuteranopia**  
BA904B

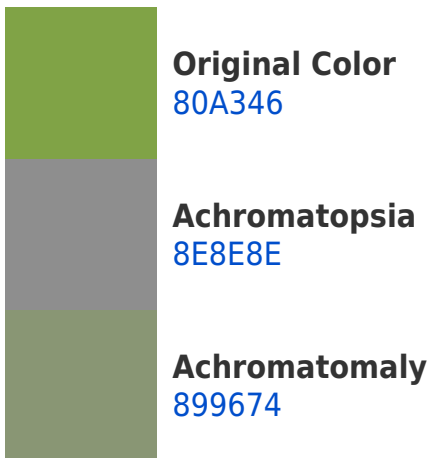


**Tritanopia**  
8C99A5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80A346 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 #80A346 looks like.

```
.text, #text, p{  
    color:#80A346  
}
```

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 #80A346 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80A346
}
```

## Border

The CSS property to change the border of an element to Hex 80A346 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
#80A346 }
```

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

```
.border{ border-color:#80A346 }
```

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

Here you see how a box with a 4 pixel #80A346 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80A346; -webkit-box-shadow:4px 4px  
4px 4px #80A346; box-shadow:4px 4px 4px  
4px #80A346 }
```

# Background

The CSS property to change the background color of an element to Hex 80A346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80A346 }
```

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

```
.background{ background-color:#80A346 }
```

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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