

# Converting Colors

Hex(80DA40)

Have a look what the booklet for  
Hex(80DA40) contains.

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**Color**

**Hex(80DA40)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	80DA40
RGB	128, 218, 64
RGB Percent	50%, 85%, 25%
CMY	0.4980, 0.1451, 0.7490
CMYK	0.41, 0.00, 0.71, 0.15
HSL	95°, 68%, 55%
HSV	95°, 71%, 85%
XYZ	34.8989, 55.1022, 13.6469
YIQ	173.5340, -4.2060, -66.9740

# Conversions

## Conversions Part 2

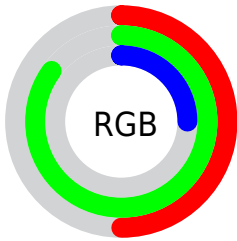
Format	Color
<b>RYB</b>	64, 218, 154
Decimal	8444480
CIELab	79.10, -51.88, 63.88
CIELCh	79, 82.289, 129.082
Yxy	55.1022, 0.3367, 0.5316
Android (android.graphics.Color)	4286634560 (0xFF80DA40)
YUV	173.5340, -54.0003, -39.9333
Hunter-Lab	74.2308, -45.9839, 41.0615

# Details

The Hex color **80DA40** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **9A40DA**, and the grayscale version is **AEAEAE**.

A 20% lighter version of the original color is **BAFF78**, and **44A200** is the 20% darker color. If you saturate the color by 10%, you get **73DA2A**, and if you desaturate by 10%, it is **8DDA56**.

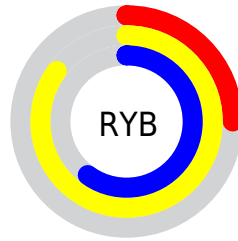
# Distribution



Red (50%)

Green (85%)

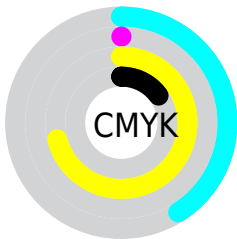
Blue (25%)



Red (25%)

Yellow (85%)

Blue (60%)

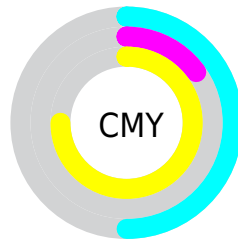


Cyan (41%)

Magenta (0%)

Yellow (71%)

Black (15%)



Cyan (50%)

Magenta (15%)

Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80DA40 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 80DA40 by changing the saturation by 10% instead.



 80DA40

 80DA40

FFFFFF

 63BE20

 BAFF78

 44A200

 D8FF94

 218700

 F6FFB0

 006D00

 FFFFCD

 005400

 FFFFEA

 003C00

 002600

 000000

 80DA40

 80DA40

 73DA2A

 8DDA56

 67DA14

 99DA6C

 5BDA00

 A6DA81

 B3DA97

 C0DAAD

 CCDAC3

 D9DAD9

 E6DAEE

 F3DAFF

# Harmonies

## Analogous

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



D4C800



80DA40



00E48A

# Triad

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



80DA40



00DBFF



FF76B0

# Complementary

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



80DA40



9A40DA

# 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.



FF82FC



80DA40



22C5FF

# Square

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



80DA40



00E5FF



E4A5FF



FF8B67

# Rectangle

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



80DA40



00E7BF



E4A5FF



FF76CA

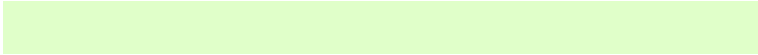


# Sweetspot

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



80DA40



E0FFC9



DA9A40



6D8060



000000



808080



# Same Dimension

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



80DA40



80FF26



40DA4D



676E63



48AD00



132E00



# Inverse Universe

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



9A40DA



A526FF



DA40CD



69636E



6500AD



1B002E



# Previews

## White Background



This preview shows how the Hex color 80DA40 looks on a white background.

## Color Contrast Check

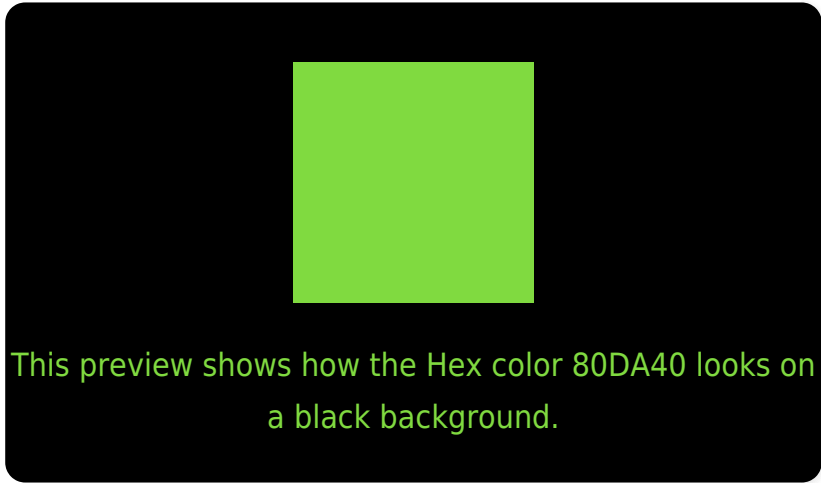
Large Text (above 18pt) WCAG AA × Fail

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 80DA40 Background



This preview shows how black text looks on a background with the Hex color 80DA40.

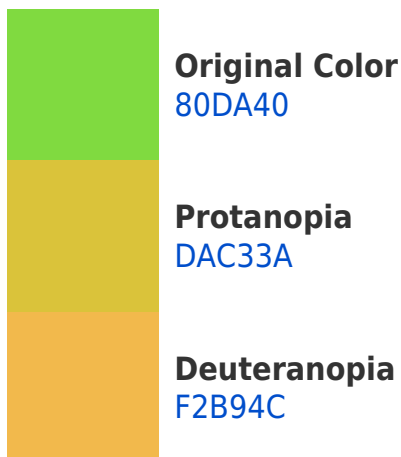


This preview shows how white text looks on a background with the Hex color 80DA40.

# Color Blindness Simulation

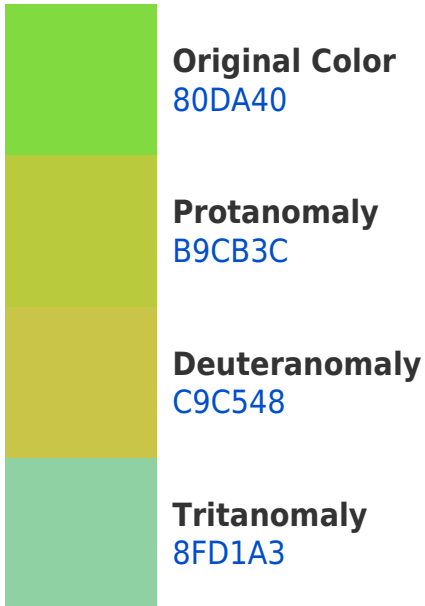
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

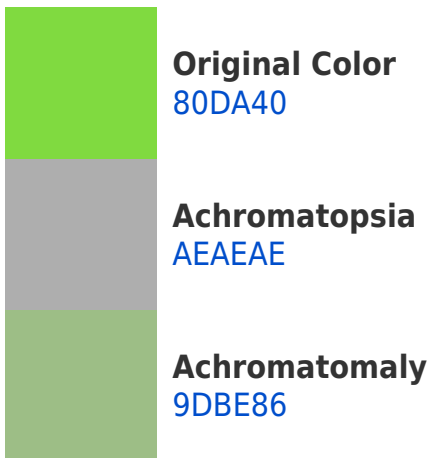




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80DA40 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 #80DA40 looks like.

```
.text, #text, p{  
    color:#80DA40  
}
```

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 #80DA40 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80DA40
}
```

## Border

The CSS property to change the border of an element to Hex 80DA40 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
#80DA40 }
```

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

```
.border{ border-color:#80DA40 }
```

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

Here you see how a box with a 4 pixel #80DA40 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80DA40; -webkit-box-shadow:4px 4px  
4px 4px #80DA40; box-shadow:4px 4px 4px  
4px #80DA40 }
```

# Background

The CSS property to change the background color of an element to Hex 80DA40 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80DA40 }
```

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

```
.background{ background-color:#80DA40 }
```

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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