

# Converting Colors

Hex(80A638)

Have a look what the booklet for  
Hex(80A638) contains.

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**Color**

**Hex(80A638)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80A638
RGB	128, 166, 56
RGB Percent	50%, 65%, 22%
CMY	0.4980, 0.3490, 0.7804
CMYK	0.23, 0.00, 0.66, 0.35
HSL	81°, 50%, 44%
HSV	81°, 66%, 65%
XYZ	23.2521, 32.1472, 8.7209
YIQ	142.0980, 12.6620, -42.2660

# Conversions

## Conversions Part 2

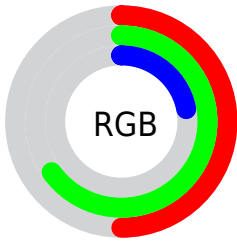
<b>Format</b>	<b>Color</b>
<b>RYB</b>	56, 166, 94
Decimal	8431160
CIELab	63.46, -29.81, 50.80
CIELCh	63, 58.896, 120.404
Yxy	32.1472, 0.3626, 0.5014
Android (android.graphics.Color)	4286621240 (0xFF80A638)
YUV	142.0980, -42.4463, -12.3639
Hunter-Lab	56.6985, -26.0192, 30.5694

# Details

The Hex color **80A638** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **5E38A6**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **B7DD6C**, and **4B7200** is the 20% darker color. If you saturate the color by 10%, you get **7AA627**, and if you desaturate by 10%, it is **86A649**.

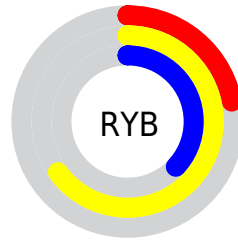
# Distribution



Red (50%)

Green (65%)

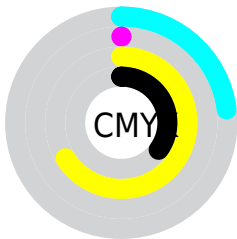
Blue (22%)



Red (22%)

Yellow (65%)

Blue (37%)

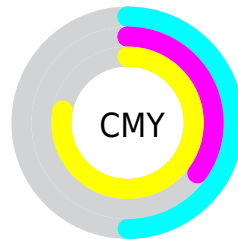


Cyan (23%)

Magenta (0%)

Yellow (66%)

Black (35%)



Cyan (50%)

Magenta (35%)

Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80A638 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 80A638 by changing the saturation by 10% instead.





80A638



80A638

FFFFFF



658C1C



B7DD6C



4B7200



D4FA87



315900



F1FFA2



154100



FFFFBE



002B00



FFFFDB



001400



FFFFF8



000000



80A638



80A638



7AA627



86A649

■ 75A617

■ 8BA659

■ 6FA606

■ 91A66A

■ 6DA600

■ 97A67A

■ 9DA68B

■ A2A69C

■ A8A6AC

■ AEA6BD

■ B4A6CD

# Harmonies

## Analogous

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



B59727



80A638



30AF63

# Triad

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



80A638



00ACF4



F7699B

# Complementary

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



80A638



5E38A6

# 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.



DA75CE



80A638



009FFF

# Square

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



80A638



00B2CD



9B8BF5



F67068

# Rectangle

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



80A638



00B286



9B8BF5



F06BAD



# Sweetspot

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



80A638



CAD9AD



A65D38



656E53



EDEDED



6E6E6E



# Same Dimension

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



80A638



9DD92B



4AA638



51544C



619400



0D1400



# Inverse Universe

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



5E38A6



672BD9



9438A6



4F4C54



330094



070014



# Previews

## White Background



This preview shows how the Hex color 80A638 looks on a white background.

## Color Contrast Check

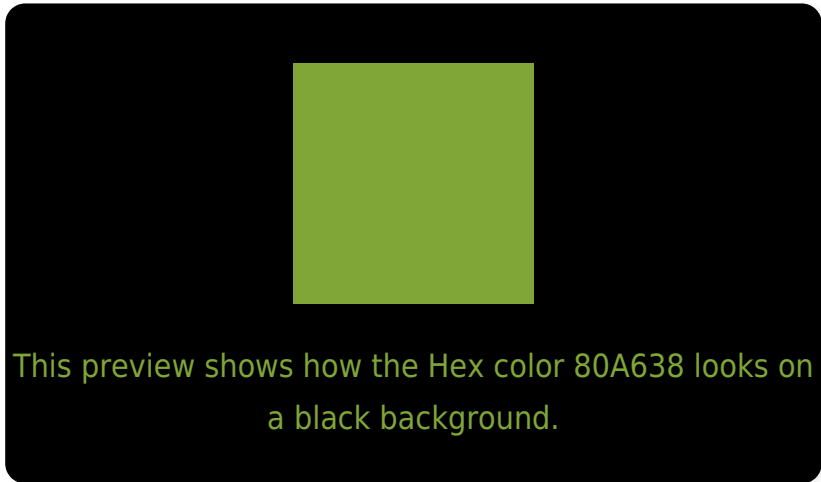
Large Text (above 18pt) WCAG AA × Fail

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 80A638 Background



This preview shows how black text looks on a background with the Hex color 80A638.

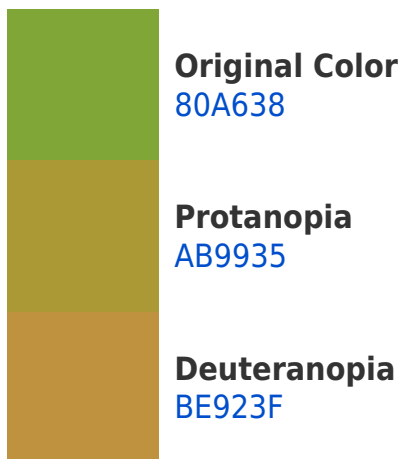


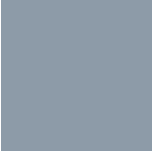
This preview shows how white text looks on a background with the Hex color 80A638.

# 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](#).

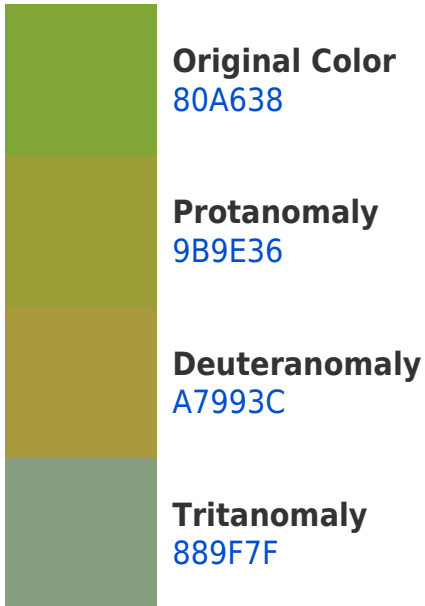
## Dichromacy



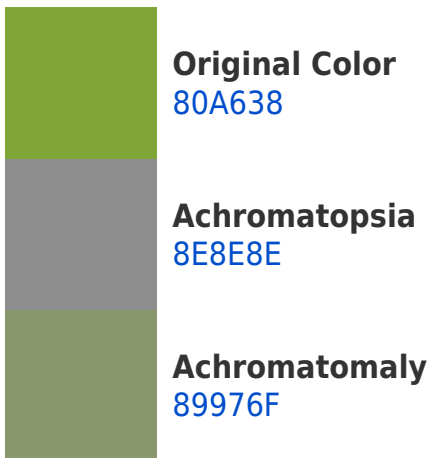


**Tritanopia**  
8D9BA8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80A638 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 #80A638 looks like.

```
.text, #text, p{  
    color:#80A638  
}
```

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 #80A638 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80A638
}
```

## Border

The CSS property to change the border of an element to Hex 80A638 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
#80A638 }
```

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

```
.border{ border-color:#80A638 }
```

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

Here you see how a box with a 4 pixel #80A638 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80A638; -webkit-box-shadow:4px 4px  
4px 4px #80A638; box-shadow:4px 4px 4px  
4px #80A638 }
```

# Background

The CSS property to change the background color of an element to Hex 80A638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80A638 }
```

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

```
.background{ background-color:#80A638 }
```

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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