

# Converting Colors

Hex(878E2A)

Have a look what the booklet for  
Hex(878E2A) contains.

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**Color**

**Hex(878E2A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	878E2A
RGB	135, 142, 42
RGB Percent	53%, 56%, 16%
CMY	0.4706, 0.4431, 0.8353
CMYK	0.05, 0.00, 0.70, 0.44
HSL	64°, 54%, 36%
HSV	64°, 70%, 56%
XYZ	20.0826, 24.6641, 5.8927
YIQ	128.5070, 27.9280, -32.5840

# Conversions

## Conversions Part 2

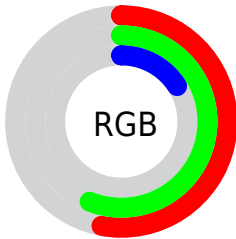
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	42, 142, 49
Decimal	8883754
CIE <sub>Lab</sub>	56.75, -15.76, 49.77
CIE <sub>LCh</sub>	57, 52.210, 107.568
Yxy	24.6641, 0.3966, 0.4871
Android (android.graphics.Color)	4287073834 (0xFF878E2A)
YUV	128.5070, -42.6480, 5.6944
Hunter-Lab	49.6629, -14.7287, 27.7291

# Details

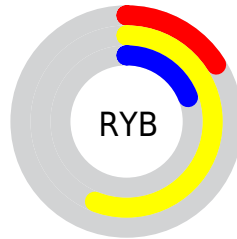
The Hex color **878E2A** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **312A8E**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **BFC45E**, and **525C00** is the 20% darker color. If you saturate the color by 10%, you get **868E1C**, and if you desaturate by 10%, it is **888E38**.

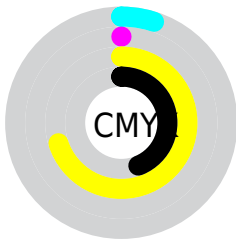
# Distribution



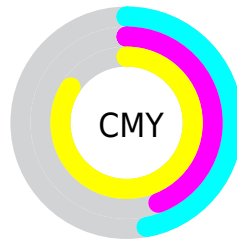
- Red (53%)
- Green (56%)
- Blue (16%)



- Red (16%)
- Yellow (56%)
- Blue (19%)



- Cyan (5%)
- Magenta (0%)
- Yellow (70%)
- Black (44%)



- Cyan (47%)
- Magenta (44%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 878E2A 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 878E2A by changing the saturation by 10% instead.



 878E2A

 878E2A

FFFFFF

 6C750B

 BFC45E

 525C00

 DBDF78

 394400

 F9FC93

 1F2E00

 FFFFAE

 001B00

 FFFFC A

 000000

 FFFFE7

 878E2A

 878E2A

 868E1C

 888E38

■ 858E0E

■ 898E46

■ 848E00

■ 8A8E55

■ 8B8E63

■ 8C8E71

■ 8D8E7F

■ 8E8E8D

■ 8F8E9C

■ 908EAA

# Harmonies

## Analogous

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



B17F2A



878E2A



529848

# Triad

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



878E2A



009BCA



D2619D

# Complementary

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



878E2A



312A8E

# 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.



AC71C6



878E2A



0093E1

# Square

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



878E2A



009EA2



6784DF



DC606F

# Rectangle

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



878E2A



049C64



6784DF



C865AC



# Sweetspot

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



878E2A



B5B891



8E312A



5A5C45



DBDBDB



5C5C5C



# Same Dimension

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



878E2A



ADB81C



558E2A



474740



7E8700



070800



# Inverse Universe

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



312A8E



261CB8



632A8E



414047



090087



010008



# Previews

## White Background



This preview shows how the Hex color 878E2A looks on a white background.

## Color Contrast Check

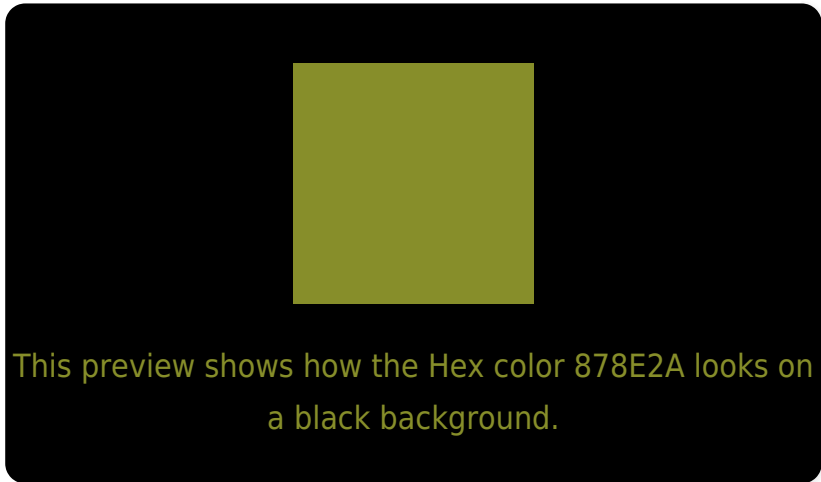
Large Text (above 18pt) WCAG AA ✓ Pass

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

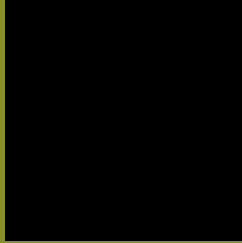
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 878E2A Background



This preview shows how black text looks on a background with the Hex color 878E2A.



This preview shows how white text looks on a background with the Hex color 878E2A.

# 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](#).

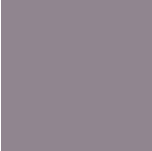
## Dichromacy



**Original Color**  
878E2A

**Protanopia**  
998829

**Deuteranopia**  
AA812F

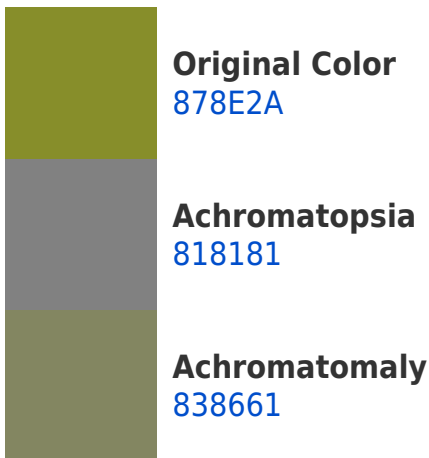


**Tritanopia**  
90858F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 878E2A 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 #878E2A looks like.

```
.text, #text, p{  
    color:#878E2A  
}
```

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 #878E2A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #878E2A
}
```

## Border

The CSS property to change the border of an element to Hex 878E2A 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
#878E2A }
```

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

```
.border{ border-color:#878E2A }
```

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

Here you see how a box with a 4 pixel #878E2A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #878E2A; -webkit-box-shadow:4px 4px  
4px 4px #878E2A; box-shadow:4px 4px 4px  
4px #878E2A }
```

# Background

The CSS property to change the background color of an element to Hex 878E2A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#878E2A }
```

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

```
.background{ background-color:#878E2A }
```

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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