

# Converting Colors

Hex(878F2A)

Have a look what the booklet for  
Hex(878F2A) contains.

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**Color**

**Hex(878F2A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	878F2A
RGB	135, 143, 42
RGB Percent	53%, 56%, 16%
CMY	0.4706, 0.4392, 0.8353
CMYK	0.06, 0.00, 0.71, 0.44
HSL	65°, 55%, 36%
HSV	65°, 71%, 56%
XYZ	20.2321, 24.9630, 5.9425
YIQ	129.0940, 27.6530, -33.1070

# Conversions

## Conversions Part 2

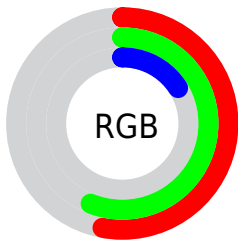
<b>Format</b>	<b>Color</b>
<b>RYB</b>	42, 143, 50
Decimal	8884010
CIELab	57.04, -16.28, 50.07
CIELCh	57, 52.648, 108.017
Yxy	24.9630, 0.3956, 0.4882
Android (android.graphics.Color)	4287074090 (0xFF878F2A)
YUV	129.0940, -42.9373, 5.1796
Hunter-Lab	49.9630, -15.1532, 27.9223

# Details

The Hex color **878F2A** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **322A8F**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **BFC55E**, and **525D00** is the 20% darker color. If you saturate the color by 10%, you get **868F1C**, and if you desaturate by 10%, it is **888F38**.

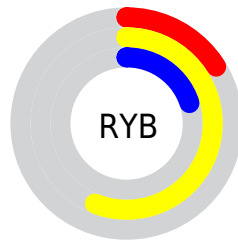
# Distribution



Red (53%)

Green (56%)

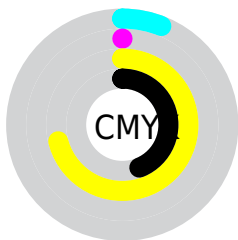
Blue (16%)



Red (16%)

Yellow (56%)

Blue (20%)

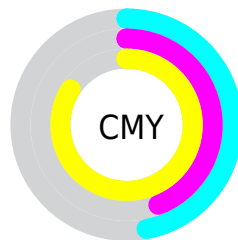


Cyan (6%)

Magenta (0%)

Yellow (71%)

Black (44%)



Cyan (47%)

Magenta (44%)

Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 878F2A 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 878F2A by changing the saturation by 10% instead.



 878F2A

 878F2A

FFFFFF

 6C750B


 BFC55E

 525D00

 DBE178

 394500

 F9FD93

 1F2F00

 FFFFAF

 001C00

 FFFFCB

 000000

 FFFFE7

 878F2A

 878F2A

 868F1C

 888F38

■ 858F0D

■ 898F47

■ 848F00

■ 8A8F55

■ 8C8F63

■ 8D8F71

■ 8E8F80

■ 8F8F8E

■ 908F9C

■ 918FAB

# Harmonies

## Analogous

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



B1802A



878F2A



519948

# Triad

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



878F2A



009CCC



D3619D

# Complementary

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



878F2A



322A8F

# 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.



AE71C7



878F2A



0093E3

# Square

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



878F2A



009FA4



6984E0



DD606F

# Rectangle

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



878F2A



009D65



6984E0



CA65AC



# Sweetspot

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



878F2A



B7BA93



8F312A



5C5E47



DEDEDE



5E5E5E



# Same Dimension

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



878F2A



AEBA1C



568F2A



474740



7C8700



070800



# Inverse Universe

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



322A8F



281CBA



632A8F



414047



0B0087



010008



# Previews

## White Background



This preview shows how the Hex color 878F2A looks on a white background.

## Color Contrast Check

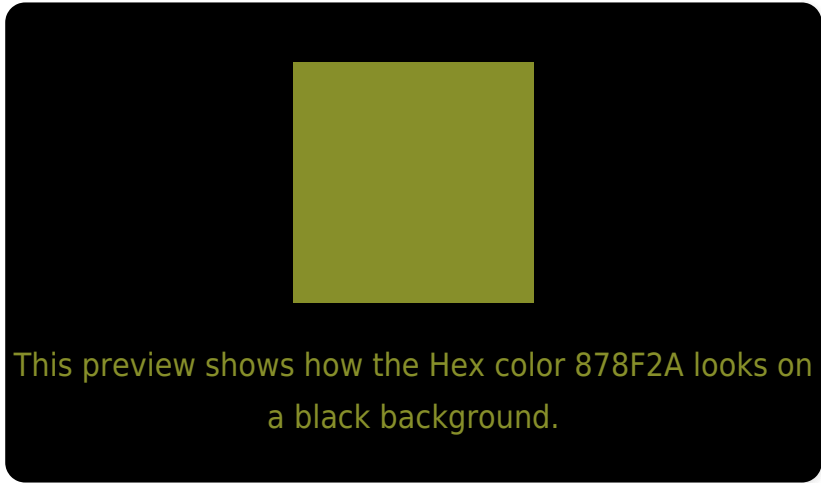
Large Text (above 18pt) WCAG AA ✓ Pass

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 878F2A Background



This preview shows how black text looks on a background with the Hex color 878F2A.



This preview shows how white text looks on a background with the Hex color 878F2A.

# 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**  
878F2A

**Protanopia**  
998928

**Deuteranopia**  
AB822F

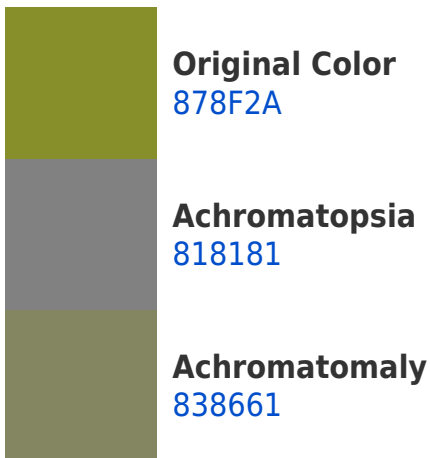


**Tritanopia**  
908690

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 878F2A 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 #878F2A looks like.

```
.text, #text, p{  
    color:#878F2A  
}
```

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 #878F2A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #878F2A
}
```

## Border

The CSS property to change the border of an element to Hex 878F2A 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
#878F2A }
```

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

```
.border{ border-color:#878F2A }
```

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

Here you see how a box with a 4 pixel #878F2A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #878F2A; -webkit-box-shadow:4px 4px  
4px 4px #878F2A; box-shadow:4px 4px 4px  
4px #878F2A }
```

# Background

The CSS property to change the background color of an element to Hex 878F2A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#878F2A }
```

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

```
.background{ background-color:#878F2A }
```

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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