

# Converting Colors

Hex(837F9A)

Have a look what the booklet for  
Hex(837F9A) contains.

<b>Hex(837F9A)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(837F9A)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	837F9A
RGB	131, 127, 154
RGB Percent	51%, 50%, 60%
CMY	0.4863, 0.5020, 0.3961
CMYK	0.15, 0.18, 0.00, 0.40
HSL	249°, 12%, 55%
HSV	249°, 18%, 60%
XYZ	22.7822, 22.3371, 33.6826
YIQ	131.2740, -6.2830, 9.2450

# Conversions

## Conversions Part 2

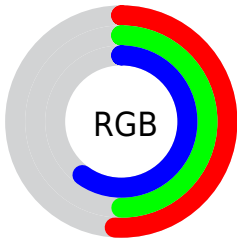
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 127, 154
Decimal	8617882
CIE <sub>Lab</sub>	54.38, 7.22, -13.91
CIE <sub>LCh</sub>	54, 15.673, 297.415
Yxy	22.3371, 0.2891, 0.2835
Android (android.graphics.Color)	4286807962 (0xFF837F9A)
YUV	131.2740, 11.2039, -0.2403
Hunter-Lab	47.2622, 3.3350, -9.1710

# Details

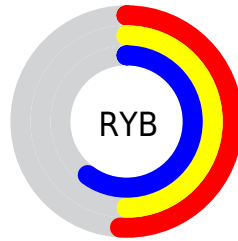
The Hex color **837F9A** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **969A7F**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **B8B4D0**, and **514E67** is the 20% darker color. If you saturate the color by 10%, you get **76709A**, and if you desaturate by 10%, it is **908E9A**.

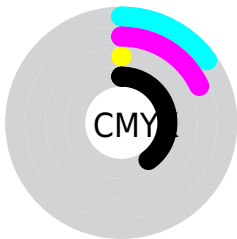
# Distribution



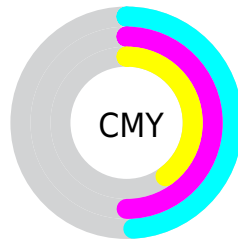
- Red (51%)
- Green (50%)
- Blue (60%)



- Red (51%)
- Yellow (50%)
- Blue (60%)



- Cyan (15%)
- Magenta (18%)
- Yellow (0%)
- Black (40%)



- Cyan (49%)
- Magenta (50%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 837F9A 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 837F9A by changing the saturation by 10% instead.



■ 837F9A

■ 837F9A

FFFFFF

■ 6A6680

■ B8B4D0

■ 514E67

■ D4CFED

■ 3A374F

■ F0EBFF

■ 242238

■ 100C22

■ 00000A

■ 000000

■ 837F9A

■ 837F9A

■ 76709A

■ 908E9A

69609A

9D9E9A

5C519A

AAAD9A

4F419A

B7BD9A

41329A

C5CC9A

34239A

D2DB9A

27139A

DFEB9A

1A049A

ECFA9A

17009A

F9FF9A

# Harmonies

## Analogous

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



71849D



837F9A



937B91

# Triad

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



837F9A



997C6C



638A80

# Complementary

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



837F9A



969A7F

# 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.



708873



837F9A



8E8167

# Square

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



837F9A



9E7976



7F856A



5D8A8E

# Rectangle

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



837F9A



9A7988



7F856A



67897C



# Sweetspot

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



837F9A



C1BFC9



7F969A



616066



E6E6E6



666666



# Same Dimension

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



837F9A



A59FC9



907F9A



46454D



15008C



02000D



# Inverse Universe

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



9A7F96



C99FC3



899A7F



4D454B



8C0077



0D000B



# Previews

## White Background



This preview shows how the Hex color 837F9A looks on a white background.

## Color Contrast Check

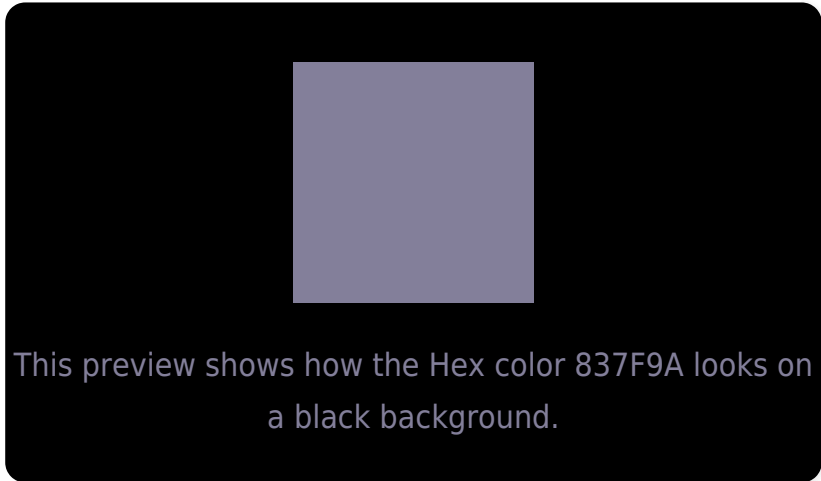
Large Text (above 18pt) WCAG AA ✓ Pass

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

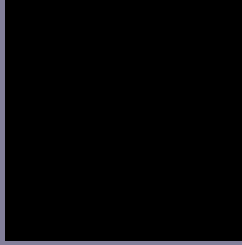
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 837F9A Background



This preview shows how black text looks on a background with the Hex color 837F9A.



This preview shows how white text looks on a background with the Hex color 837F9A.

# 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**  
837F9A

**Protanopia**  
7D819B

**Deuteranopia**  
837F9A



**Tritanopia**  
81818C

# Trichromacy



**Original Color**

837F9A

**Protanomaly**

7F809B

**Deuteranomaly**

837F9A

**Tritanomaly**

828091

# Monochromacy



**Original Color**

837F9A

**Achromatopsia**

838383

**Achromatomaly**

83828B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 837F9A 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 #837F9A looks like.

```
.text, #text, p{  
    color:#837F9A  
}
```

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 #837F9A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #837F9A
}
```

## Border

The CSS property to change the border of an element to Hex 837F9A 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
#837F9A }
```

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

```
.border{ border-color:#837F9A }
```

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

Here you see how a box with a 4 pixel #837F9A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #837F9A; -webkit-box-shadow:4px 4px  
4px 4px #837F9A; box-shadow:4px 4px 4px  
4px #837F9A }
```

# Background

The CSS property to change the background color of an element to Hex 837F9A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#837F9A }
```

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

```
.background{ background-color:#837F9A }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor