

# Converting Colors

Hex(837D86)

Have a look what the booklet for  
Hex(837D86) contains.

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# Color

Hex(837D86)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	837D86
RGB	131, 125, 134
RGB Percent	51%, 49%, 53%
CMY	0.4863, 0.5098, 0.4745
CMYK	0.02, 0.07, 0.00, 0.47
HSL	280°, 4%, 51%
HSV	280°, 7%, 53%
XYZ	20.9968, 21.2138, 25.5423
YIQ	127.8200, 0.6870, 4.0710

# Conversions

## Conversions Part 2

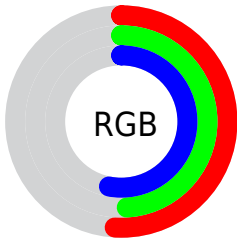
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 125, 134
Decimal	8617350
CIELab	53.18, 4.05, -4.07
CIELCh	53, 5.743, 314.914
Yxy	21.2138, 0.3099, 0.3131
Android (android.graphics.Color)	4286807430 (0xFF837D86)
YUV	127.8200, 3.0467, 2.7889
Hunter-Lab	46.0584, 0.7711, -0.6392

# Details

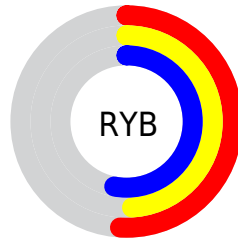
The Hex color **837D86** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **80867D**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **B8B2BB**, and **524C54** is the 20% darker color. If you saturate the color by 10%, you get **7F7086**, and if you desaturate by 10%, it is **878A86**.

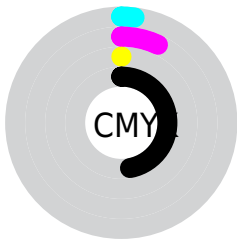
# Distribution



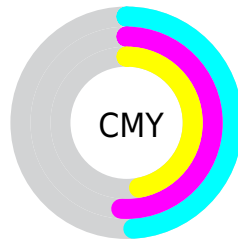
- Red (51%)
- Green (49%)
- Blue (53%)



- Red (51%)
- Yellow (49%)
- Blue (53%)



- Cyan (2%)
- Magenta (7%)
- Yellow (0%)
- Black (47%)



- Cyan (49%)
- Magenta (51%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 837D86 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 837D86 by changing the saturation by 10% instead.



■ 837D86

■ 837D86

FFFFFF

■ 6A646D

■ B8B2BB

■ 524C54

■ D4CDD7

■ 3B363D

■ F0E9F3

■ 252028

■ 100913

■ 000000

■ 837D86

■ 837D86

■ 7F7086

■ 878A86

■ 7A6286

■ 8C9886

765586

90A586

714786

95B386

6D3A86

99C086

682D86

9ECD86

641F86

A2DB86

5F1286

A7E886

5B0486

ABF686

# Harmonies

## Analogous

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



7D7F88



837D86



887C82

# Triad

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



837D86



867E76



738281

# Complementary

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



837D86



80867D

# 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.



76827C



837D86



817F75

# Square

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



837D86



897C78



7B8178



748186

# Rectangle

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



837D86



897C7E



7B8178



748280



# Sweetspot

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



837D86



ACAAAD



7D8086



565557



D6D6D6



575757



# Same Dimension

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



837D86



A9A0AD



867D85



403C42



570082



020003



# Inverse Universe

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



867D80



ADA0A4



7D867E



423C3E



82002B



030001



# Previews

## White Background



This preview shows how the Hex color 837D86 looks on a white background.

## Color Contrast Check

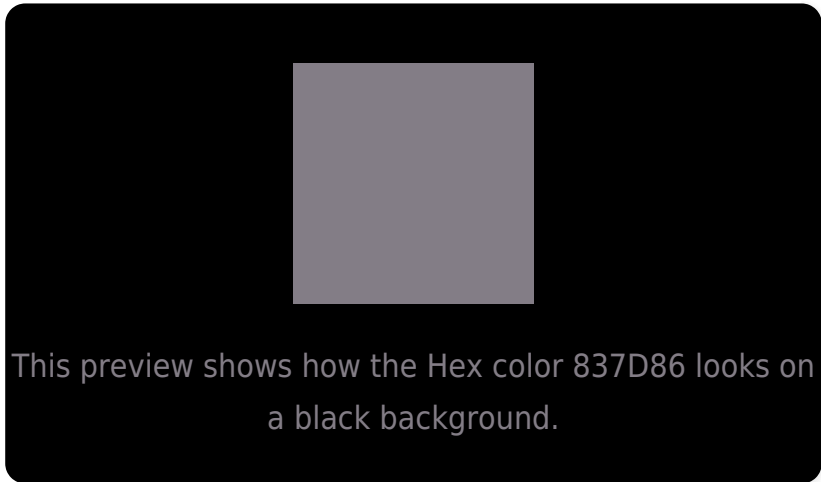
Large Text (above 18pt) WCAG AA ✓ Pass

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

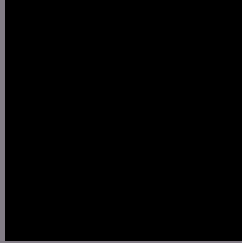
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 837D86 Background



This preview shows how black text looks on a background with the Hex color 837D86.



This preview shows how white text looks on a background with the Hex color 837D86.

# 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**

837D86

**Protanopia**

7F7E87

**Deuteranopia**

887B86



**Tritanopia**  
837D87

# Trichromacy



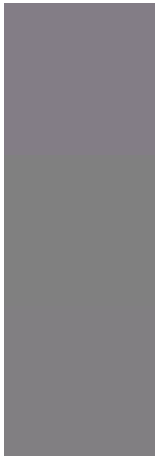
**Original Color**  
837D86

**Protanomaly**  
807E87

**Deuteranomaly**  
867C86

**Tritanomaly**  
837D87

# Monochromacy



**Original Color**  
837D86

**Achromatopsia**  
808080

**Achromatomaly**  
817F82

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 837D86 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 #837D86 looks like.

```
.text, #text, p{  
    color:#837D86  
}
```

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 #837D86 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #837D86
}
```

## Border

The CSS property to change the border of an element to Hex 837D86 is called "border". The border property can be set on classes, ids or directly on the HTML element.

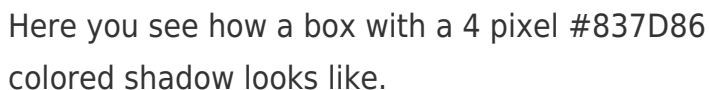
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#837D86 }
```

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

```
.border{ border-color:#837D86 }
```

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



Here you see how a box with a 4 pixel #837D86 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #837D86; -webkit-box-shadow:4px 4px  
4px 4px #837D86; box-shadow:4px 4px 4px  
4px #837D86 }
```

# Background

The CSS property to change the background color of an element to Hex 837D86 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#837D86 }
```

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

```
.background{ background-color:#837D86 }
```

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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