

# Converting Colors

Hex(87868E)

Have a look what the booklet for  
Hex(87868E) contains.

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# Color

**Hex(87868E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	87868E
RGB	135, 134, 142
RGB Percent	53%, 53%, 56%
CMY	0.4706, 0.4745, 0.4431
CMYK	0.05, 0.06, 0.00, 0.44
HSL	248°, 3%, 54%
HSV	248°, 6%, 56%
XYZ	23.3993, 24.1541, 29.0201
YIQ	135.2110, -1.9720, 2.7000

# Conversions

## Conversions Part 2

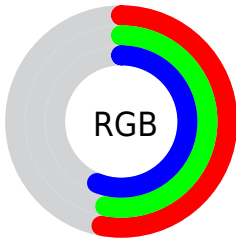
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">135, 134, 142</a>
Decimal	<a href="#">8881806</a>
CIELab	<a href="#">56.24, 1.98, -4.15</a>
CIELCh	<a href="#">56, 4.604, 295.522</a>
Yxy	<a href="#">24.1541, 0.3056, 0.3154</a>
Android (android.graphics.Color)	<a href="#">4287071886 (0xFF87868E)</a>
YUV	<a href="#">135.2110, 3.3470, -0.1850</a>
Hunter-Lab	<a href="#">49.1468, -1.0214, -0.6067</a>

# Details

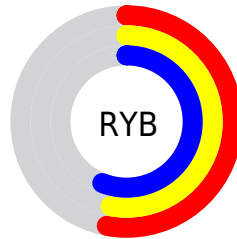
The Hex color **87868E** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **8D8E86**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **BCBBC4**, and **55545C** is the 20% darker color. If you saturate the color by 10%, you get **7B788E**, and if you desaturate by 10%, it is **93948E**.

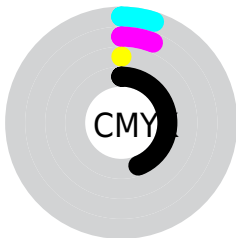
# Distribution



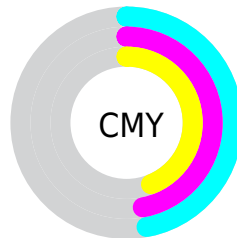
- Red (53%)
- Green (53%)
- Blue (56%)



- Red (53%)
- Yellow (53%)
- Blue (56%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (44%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 87868E 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 87868E by changing the saturation by 10% instead.





87868E



87868E

FFFFFF



6E6D74



BCBBC4



55545C



D8D7E0



3E3D44



F4F3FC



28282E



14131A



000000



87868E



87868E



7B788E



93948E



6E6A8E



A0A28E

625B8E

ACB18E

554D8E

B9BF8E

493F8E

C5CD8E

3C318E

D2DB8E

30238E

DEE98E

24148E

EAF88E

17068E

F7FF8E

# Harmonies

## Analogous

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



82878F



87868E



8C858B

# Triad

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



87868E



8E8580



7E8986

# Complementary

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



87868E



8D8E86

# 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.



828982



87868E



8B867F

# Square

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



87868E



908484



868880



7D898A

# Rectangle

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



87868E



8E8489



868880



7F8985



# Sweetspot

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



87868E



B4B4B8



868D8E



5A5A5C



DBDBDB



5C5C5C



# Same Dimension

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



87868E



ACABB8



8B868E



424247



110087



010008



# Inverse Universe

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



8E868D



B8ABB6



898E86



474247



870076



080007



# Previews

## White Background



This preview shows how the Hex color 87868E looks on a white background.

## Color Contrast Check

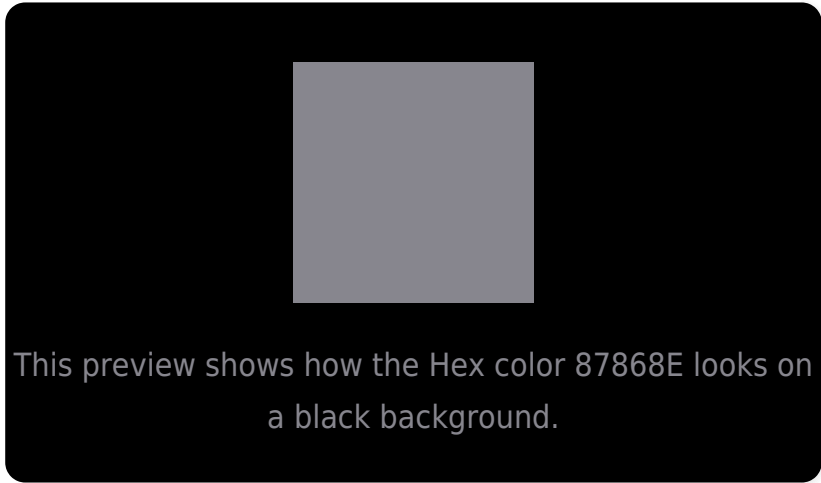
Large Text (above 18pt) WCAG AA ✓ Pass

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

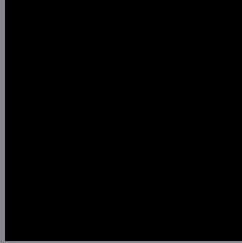
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

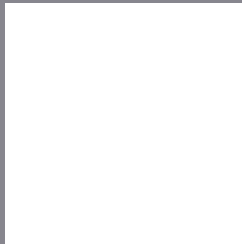
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 87868E Background



This preview shows how black text looks on a background with the Hex color 87868E.



This preview shows how white text looks on a background with the Hex color 87868E.

# 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**  
87868E

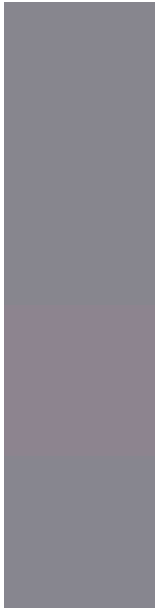
**Protanopia**  
87868E

**Deuteranopia**  
90838F



**Tritanopia**  
878690

# Trichromacy



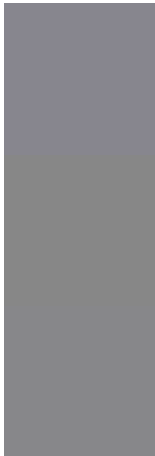
**Original Color**  
87868E

**Protanomaly**  
87868E

**Deuteranomaly**  
8D848F

**Tritanomaly**  
87868F

# Monochromacy



**Original Color**  
87868E

**Achromatopsia**  
878787

**Achromatomaly**  
87878A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87868E 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 #87868E looks like.

```
.text, #text, p{  
    color:#87868E  
}
```

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 #87868E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87868E
}
```

## Border

The CSS property to change the border of an element to Hex 87868E is called "border". The border property can be set on classes, ids or directly on the HTML element.

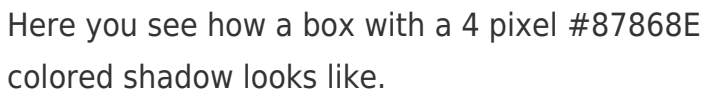
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#87868E }
```

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

```
.border{ border-color:#87868E }
```

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



Here you see how a box with a 4 pixel #87868E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87868E; -webkit-box-shadow:4px 4px  
4px 4px #87868E; box-shadow:4px 4px 4px  
4px #87868E }
```

# Background

The CSS property to change the background color of an element to Hex 87868E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87868E }
```

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

```
.background{ background-color:#87868E }
```

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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