

# Converting Colors

Hex(87831E)

Have a look what the booklet for  
Hex(87831E) contains.

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# Color

Hex(87831E)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	87831E
RGB	135, 131, 30
RGB Percent	53%, 51%, 12%
CMY	0.4706, 0.4863, 0.8824
CMYK	0.00, 0.03, 0.78, 0.47
HSL	58°, 64%, 32%
HSV	58°, 78%, 53%
XYZ	18.3423, 21.4772, 4.4071
YIQ	120.6820, 34.8050, -30.5630

# Conversions

## Conversions Part 2

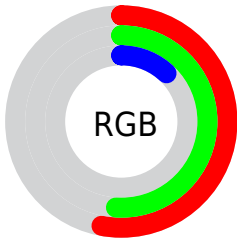
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 135, 30
Decimal	8880926
CIE Lab	53.47, -10.49, 51.10
CIE LCh	53, 52.169, 101.600
Yxy	21.4772, 0.4147, 0.4856
Android (android.graphics.Color)	4287071006 (0xFF87831E)
YUV	120.6820, -44.7062, 12.5569
Hunter-Lab	46.3435, -10.4526, 26.8022

# Details

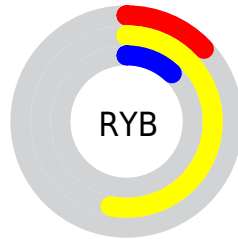
The Hex color **87831E** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **1E2287**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **BFB853**, and **525200** is the 20% darker color. If you saturate the color by 10%, you get **878211**, and if you desaturate by 10%, it is **87842C**.

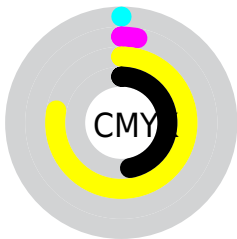
# Distribution



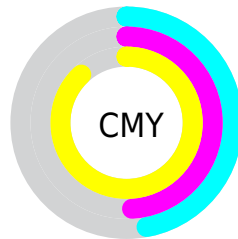
- Red (53%)
- Green (51%)
- Blue (12%)



- Red (13%)
- Yellow (53%)
- Blue (12%)



- Cyan (0%)
- Magenta (3%)
- Yellow (78%)
- Black (47%)



- Cyan (47%)
- Magenta (49%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87831E 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 87831E by changing the saturation by 10% instead.



 87831E

 87831E

FFFFFF

 6C6A00

 BFB853

 525200

 DCD36D

 383B00

 F9F088

 1F2600

 FFFFA3

 001200

 FFFFBF

 000000

 FFFFDB

 FFFFF8

 87831E

 87831E

■ 878211

■ 87842C

■ 878203

■ 878439

■ 878200

■ 878547

■ 878554

■ 878662

■ 87866F

■ 87877D

■ 87878A

■ 878898

# Harmonies

## Analogous

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



AE7326



87831E



558E38

# Triad

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



87831E



0093BA



C35B9D

# Complementary

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



87831E



1E2287

# 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.



996CC3



87831E



008CD5

# Square

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



87831E



009590



487FD8



D25670

# Rectangle

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



87831E



1F9253



487FD8



B860AB



# Sweetspot

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



87831E



B0AE87



871E23



595840



D9D9D9



595959



# Same Dimension

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



87831E



B0AA0C



58871E



42423C



827D00



030200



# Inverse Universe

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



1E2287



0C13B0



4D1E87



3C3C42



000582



000003



# Previews

## White Background



This preview shows how the Hex color 87831E looks on a white background.

## Color Contrast Check

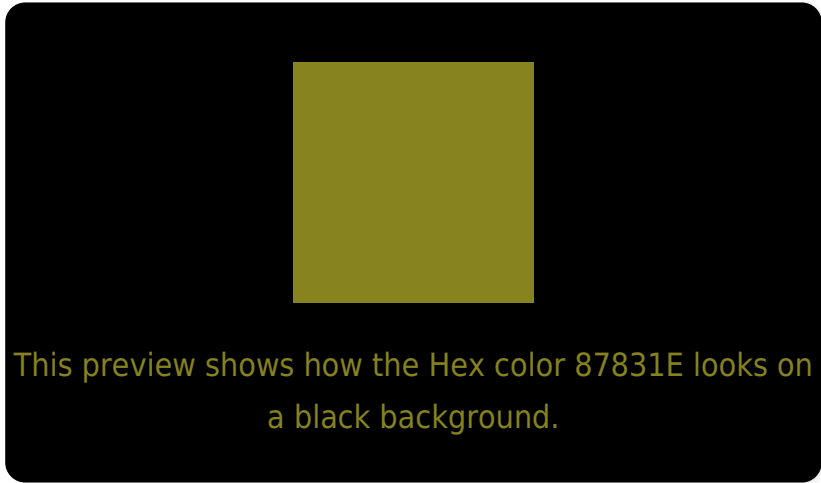
Large Text (above 18pt) WCAG AA ✓ Pass

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 87831E Background



This preview shows how black text looks on a background with the Hex color 87831E.



This preview shows how white text looks on a background with the Hex color 87831E.

# 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**  
87831E

**Protanopia**  
90801D

**Deuteranopia**  
A07923



**Tritanopia**  
8F7A84

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87831E 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 #87831E looks like.

```
.text, #text, p{  
    color:#87831E  
}
```

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 #87831E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87831E
}
```

## Border

The CSS property to change the border of an element to Hex 87831E 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
#87831E }
```

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

```
.border{ border-color:#87831E }
```

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

Here you see how a box with a 4 pixel #87831E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87831E; -webkit-box-shadow:4px 4px  
4px 4px #87831E; box-shadow:4px 4px 4px  
4px #87831E }
```

# Background

The CSS property to change the background color of an element to Hex 87831E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87831E }
```

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

```
.background{ background-color:#87831E }
```

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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