

# Converting Colors

Hex(83407E)

Have a look what the booklet for  
Hex(83407E) contains.

|  |    |
|--|----|
| <b>Hex(83407E)</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(83407E)**

# Conversions

## Conversions Part 1

| Format      | Color                     |
|-------------|---------------------------|
| Hex         | 83407E                    |
| RGB         | 131, 64, 126              |
| RGB Percent | 51%, 25%, 49%             |
| CMY         | 0.4863, 0.7490, 0.5059    |
| CMYK        | 0.00, 0.51, 0.04, 0.49    |
| HSL         | 304°, 34%, 38%            |
| HSV         | 304°, 51%, 51%            |
| XYZ         | 14.9594, 9.9984, 20.8801  |
| YIQ         | 91.1010, 20.0300, 33.4860 |

# Conversions

## Conversions Part 2

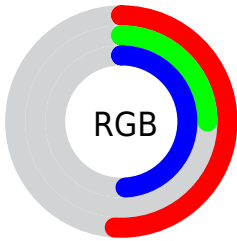
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 131, 64, 126                  |
| Decimal                             | 8601726                       |
| CIE <sub>Lab</sub>                  | 37.84, 37.89, -22.51          |
| CIE <sub>LCh</sub>                  | 38, 44.070, 329.290           |
| Yxy                                 | 9.9984, 0.3264,<br>0.2181     |
| Android<br>(android.graphics.Color) | 4286791806<br>(0xFF83407E)    |
| YUV                                 | 91.1010, 17.2052,<br>34.9914  |
| Hunter-Lab                          | 31.6203, 29.1116,<br>-17.0172 |

# Details

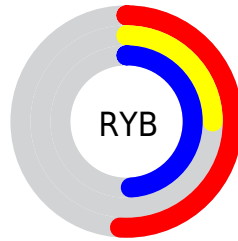
The Hex color **83407E** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **408345**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **BA73B3**, and **4F0C4D** is the 20% darker color. If you saturate the color by 10%, you get **83337D**, and if you desaturate by 10%, it is **834D7F**.

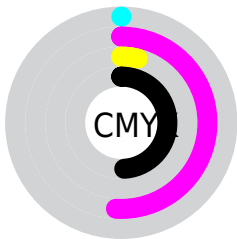
# Distribution



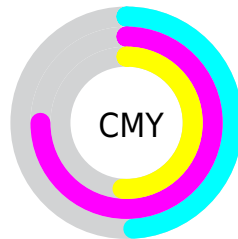
- Red (51%)
- Green (25%)
- Blue (49%)



- Red (51%)
- Yellow (25%)
- Blue (49%)



- Cyan (0%)
- Magenta (51%)
- Yellow (4%)
- Black (49%)



- Cyan (49%)
- Magenta (75%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83407E 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 83407E by changing the saturation by 10% instead.



 83407E

 83407E

FFFFFF

 692765

 BA73B3

 4F0C4D

 D68DCF

 370036

 F3A8EB

 220020

 FFC3FF

 000004

 FFE0FF

 000000

 FFFDFF

 83407E

 83407E

 83337D

 834D7F

83267C

835A80

83197B

836781

830C7A

837482

830079

838283

838F84

839C85

83A986

83B687

# Harmonies

## Analogous

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



575098



83407E



97365B

# Triad

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



83407E



6C5705



00697B

# Complementary

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



83407E



408345

# 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.



006A57



83407E



486113

# Square

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



83407E



87491A



0A6733



006696

# Rectangle

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



83407E



993844



0A6733



006A70



# Sweetspot

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



83407E



AB91A9



444083



574756



D6D6D6



575757



# Same Dimension

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



83407E



AB43A3



83405D



423C42



820078



030002



# Inverse Universe

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



83407E



AB43A3



408366



423C42



820078



030002



# Previews

## White Background



This preview shows how the Hex color 83407E looks on a white background.

## Color Contrast Check

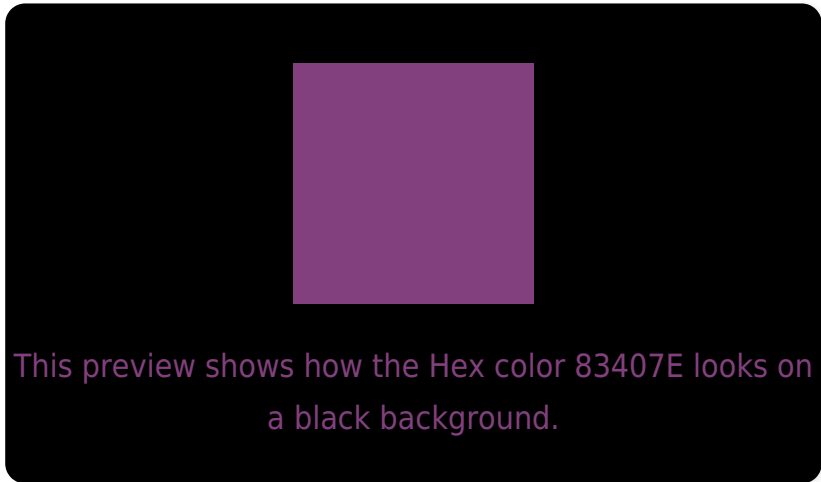
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

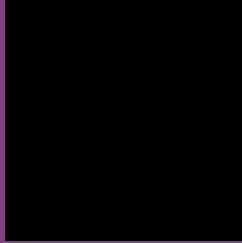
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 83407E Background



This preview shows how black text looks on a background with the Hex color 83407E.

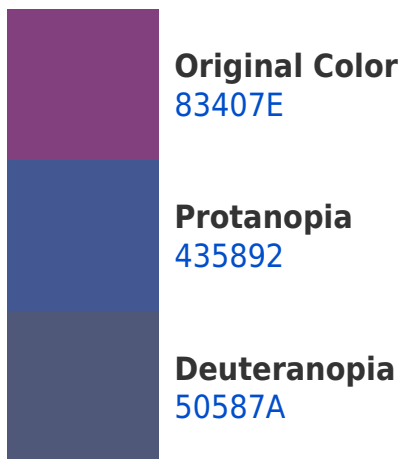


This preview shows how white text looks on a background with the Hex color 83407E.

# 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





**Tritanopia**  
7E4B50

# Trichromacy



**Original Color**  
83407E

**Protanomaly**  
5A4F8B

**Deuteranomaly**  
634F7B

**Tritanomaly**  
804761

# Monochromacy



**Original Color**  
83407E

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
6A5168

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83407E 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 #83407E looks like.

```
.text, #text, p{  
    color:#83407E  
}
```

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 #83407E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83407E
}
```

## Border

The CSS property to change the border of an element to Hex 83407E is called "border". The border property can be set on classes, ids or directly on the HTML element.

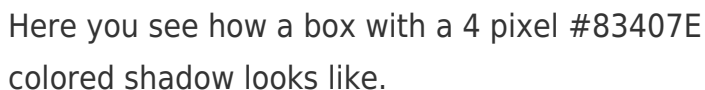
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#83407E }
```

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

```
.border{ border-color:#83407E }
```

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



Here you see how a box with a 4 pixel #83407E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83407E; -webkit-box-shadow:4px 4px  
4px 4px #83407E; box-shadow:4px 4px 4px  
4px #83407E }
```

# Background

The CSS property to change the background color of an element to Hex 83407E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83407E }
```

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

```
.background{ background-color:#83407E }
```

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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