

# Converting Colors

Hex(7E3E8B)

Have a look what the booklet for  
Hex(7E3E8B) contains.

<b>Hex(7E3E8B)</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(7E3E8B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7E3E8B
RGB	126, 62, 139
RGB Percent	49%, 24%, 55%
CMY	0.5059, 0.7569, 0.4549
CMYK	0.09, 0.55, 0.00, 0.45
HSL	290°, 38%, 39%
HSV	290°, 55%, 55%
XYZ	14.9870, 9.7449, 25.5172
YIQ	89.9140, 13.4270, 37.5150

# Conversions

## Conversions Part 2

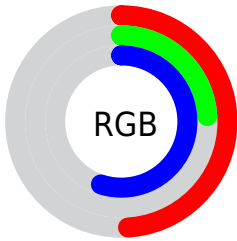
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	126, 62, 139
Decimal	8273547
CIE <sub>Lab</sub>	37.38, 40.03, -31.27
CIE <sub>LCh</sub>	37, 50.800, 322.006
Yxy	9.7449, 0.2983, 0.1939
Android (android.graphics.Color)	4286463627 (0xFF7E3E8B)
YUV	89.9140, 24.1994, 31.6474
Hunter-Lab	31.2169, 31.0670, -26.6127

# Details

The Hex color **7E3E8B** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **4B8B3E**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **B471C1**, and **4A0958** is the 20% darker color. If you saturate the color by 10%, you get **7C308B**, and if you desaturate by 10%, it is **804C8B**.

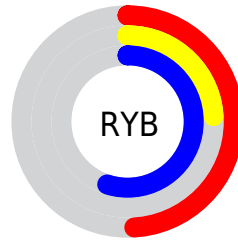
# Distribution



Red (49%)

Green (24%)

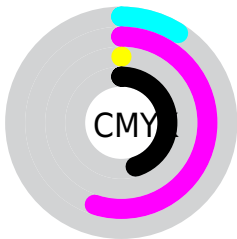
Blue (55%)



Red (49%)

Yellow (24%)

Blue (55%)

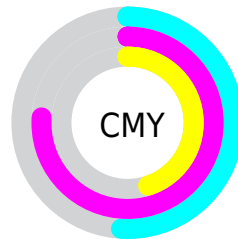


Cyan (9%)

Magenta (55%)

Yellow (0%)

Black (45%)



Cyan (51%)

Magenta (76%)

Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7E3E8B 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 7E3E8B by changing the saturation by 10% instead.



 7E3E8B

 7E3E8B

FFFFFF

 642571

 B471C1

 4A0958

 D18BDD

 320041

 EEA6FA

 1C002A

 FFC1FF

 000114

 FFDEFF

 000000

 FFFBFF

 7E3E8B

 7E3E8B

 7C308B

 804C8B

79228B

835A8B

77148B

85688B

75068B

87768B

74008B

8A848B

8C918B

8E9F8B

91AD8B

93BB8B

# Harmonies

## Analogous

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



3E52A5



7E3E8B



9B2D65

# Triad

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



7E3E8B



745200



006A76

# Complementary

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



7E3E8B



4B8B3E

# 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.



006A4B



7E3E8B



4E5F00

# Square

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



7E3E8B



904016



0D6621



006898

# Rectangle

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



7E3E8B



A02B49



0D6621



006B68



# Sweetspot

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



7E3E8B



B096B5



3E4C8B



59495C



DBDBDB



5C5C5C



# Same Dimension

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



7E3E8B



A13EB5



8B3E73



443E45



6E0085



040005



# Inverse Universe

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



8B3E4B



B53E52



3E8B56



453E3F



850016

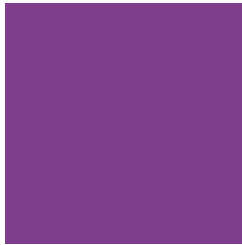


050001



# Previews

## White Background



This preview shows how the Hex color 7E3E8B 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 × Fail

Any Text WCAG AA × Fail

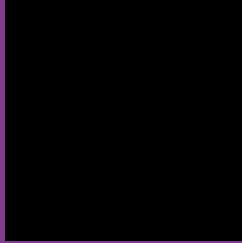
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7E3E8B Background



This preview shows how black text looks on a background with the Hex color 7E3E8B.

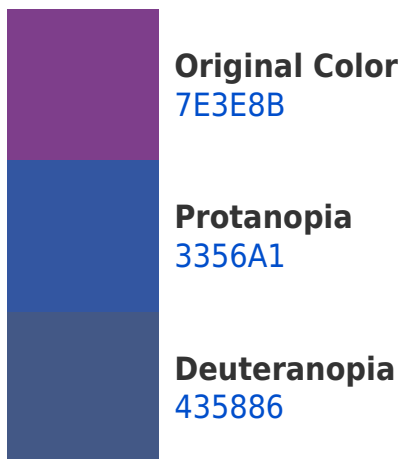


This preview shows how white text looks on a background with the Hex color 7E3E8B.

# 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](#).

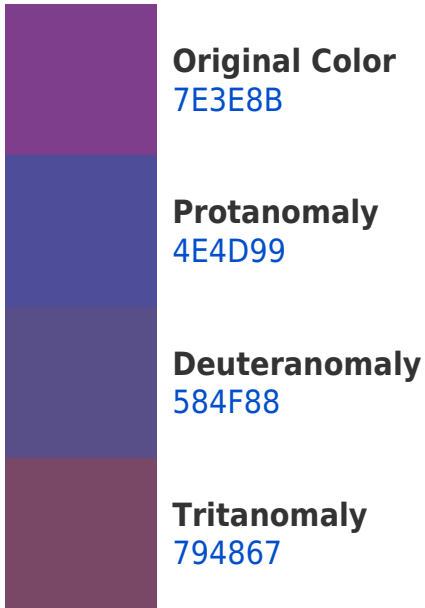
## Dichromacy





**Tritanopia**  
764D53

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7E3E8B 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 #7E3E8B looks like.

```
.text, #text, p{  
    color:#7E3E8B  
}
```

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 #7E3E8B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7E3E8B
}
```

## Border

The CSS property to change the border of an element to Hex 7E3E8B is called "border". The border property can be set on classes, ids or directly on the HTML element.

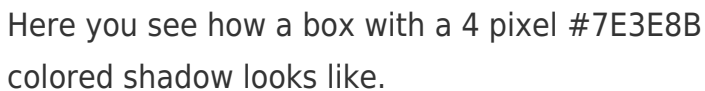
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7E3E8B }
```

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

```
.border{ border-color:#7E3E8B }
```

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



Here you see how a box with a 4 pixel #7E3E8B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7E3E8B; -webkit-box-shadow:4px 4px  
4px 4px #7E3E8B; box-shadow:4px 4px 4px  
4px #7E3E8B }
```

# Background

The CSS property to change the background color of an element to Hex 7E3E8B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7E3E8B }
```

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

```
.background{ background-color:#7E3E8B }
```

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