

# Converting Colors

Hex(7B3E77)

Have a look what the booklet for  
Hex(7B3E77) contains.

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# Color

**Hex(7B3E77)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7B3E77
RGB	123, 62, 119
RGB Percent	48%, 24%, 47%
CMY	0.5176, 0.7569, 0.5333
CMYK	0.00, 0.50, 0.03, 0.52
HSL	304°, 33%, 36%
HSV	304°, 50%, 48%
XYZ	13.2208, 8.9881, 18.4908
YIQ	86.7370, 18.0590, 30.6590

# Conversions

## Conversions Part 2

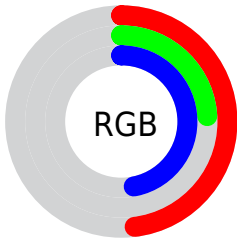
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 62, 119
Decimal	8076919
CIE <sub>Lab</sub>	35.96, 35.09, -21.17
CIE <sub>LCh</sub>	36, 40.983, 328.905
Yxy	8.9881, 0.3248, 0.2208
Android (android.graphics.Color)	4286266999 (0xFF7B3E77)
YUV	86.7370, 15.9057, 31.8027
Hunter-Lab	29.9802, 26.2503, -15.5821

# Details

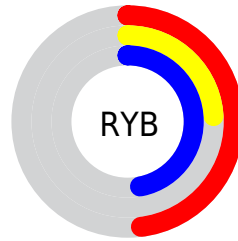
The Hex color **7B3E77** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **3E7B42**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **B170AB**, and **480C46** is the 20% darker color. If you saturate the color by 10%, you get **7B3276**, and if you desaturate by 10%, it is **7B4A78**.

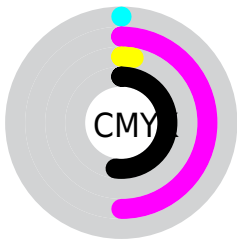
# Distribution



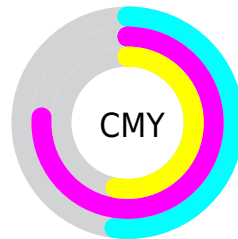
- Red (48%)
- Green (24%)
- Blue (47%)



- Red (48%)
- Yellow (24%)
- Blue (47%)



- Cyan (0%)
- Magenta (50%)
- Yellow (3%)
- Black (52%)



- Cyan (52%)
- Magenta (76%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B3E77 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 7B3E77 by changing the saturation by 10% instead.



 7B3E77

 7B3E77

FFFFFF

 61265E

 B170AB

 480C46

 CD8AC7

 300030

 EAA5E3

 18001B

 FFC0FF

 000000

 FFDDFF

 FFF9FF

 7B3E77

 7B3E77

 7B3276

 7B4A78

 7B2575

 7B5779

 7B1975

 7B6379

 7B0D74

 7B6F7A

 7B0073

 7B7C7B

 7B887C

 7B947D

 7BA07D

 7BAD7E

# Harmonies

## Analogous

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



524C8E



7B3E77



8E3557

# Triad

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



7B3E77



66530A



006473

# Complementary

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



7B3E77



3E7B42

# 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.



006452



7B3E77



465C15

# Square

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



7B3E77



7F461B



126131



00608C

# Rectangle

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



7B3E77



903641



126131



006469



# Sweetspot

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



7B3E77



A1899F



413E7B



524351



D1D1D1



525252



# Same Dimension

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



7B3E77



A1409A



7B3E59



3D373D



7D0075



FC00EC



# Inverse Universe

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



7B3E77



A1409A



3E7B60



3D373D



7D0075

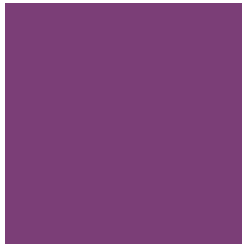


FC00EC



# Previews

## White Background



This preview shows how the Hex color 7B3E77 looks on a white background.

## Color Contrast Check

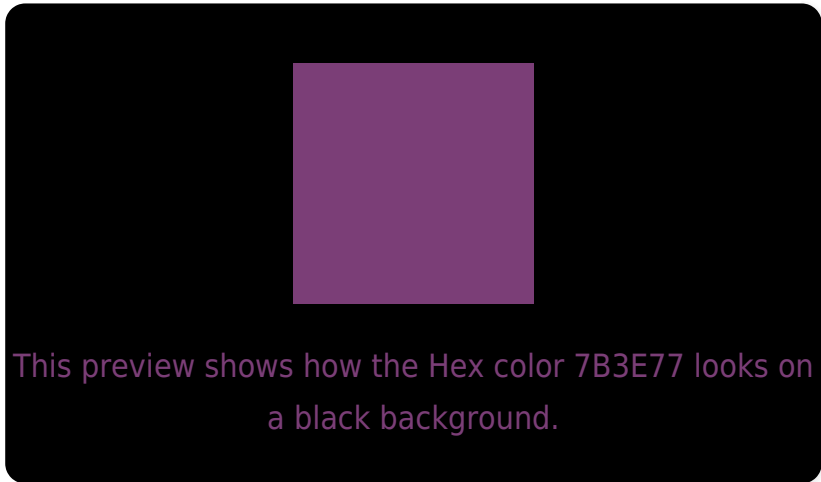
Large Text (above 18pt) WCAG AA ✓ Pass

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

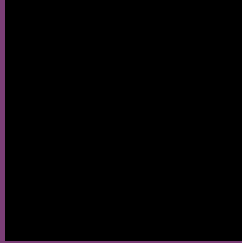
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7B3E77 Background



This preview shows how black text looks on a background with the Hex color 7B3E77.



This preview shows how white text looks on a background with the Hex color 7B3E77.

# 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**  
7B3E77

**Protanopia**  
415389

**Deuteranopia**  
4D5473



**Tritanopia**  
76484D

# Trichromacy



**Original Color**  
7B3E77

**Protanomaly**  
564B82

**Deuteranomaly**  
5E4C74

**Tritanomaly**  
78445C

# Monochromacy



**Original Color**  
7B3E77

**Achromatopsia**  
575757

**Achromatomaly**  
644E63

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B3E77 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 #7B3E77 looks like.

```
.text, #text, p{  
    color:#7B3E77  
}
```

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 #7B3E77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B3E77
}
```

## Border

The CSS property to change the border of an element to Hex 7B3E77 is called "border". The border property can be set on classes, ids or directly on the HTML element.

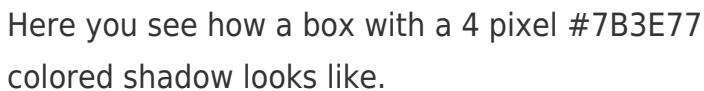
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7B3E77 }
```

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

```
.border{ border-color:#7B3E77 }
```

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



Here you see how a box with a 4 pixel #7B3E77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B3E77; -webkit-box-shadow:4px 4px  
4px 4px #7B3E77; box-shadow:4px 4px 4px  
4px #7B3E77 }
```

# Background

The CSS property to change the background color of an element to Hex 7B3E77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B3E77 }
```

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

```
.background{ background-color:#7B3E77 }
```

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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