

# Converting Colors

Hex(7B3991)

Have a look what the booklet for  
Hex(7B3991) contains.

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# Color

**Hex(7B3991)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7B3991
RGB	123, 57, 145
RGB Percent	48%, 22%, 57%
CMY	0.5176, 0.7765, 0.4314
CMYK	0.15, 0.61, 0.00, 0.43
HSL	285°, 44%, 40%
HSV	285°, 61%, 57%
XYZ	14.7423, 9.1815, 27.7833
YIQ	86.7660, 11.0880, 41.3600

# Conversions

## Conversions Part 2

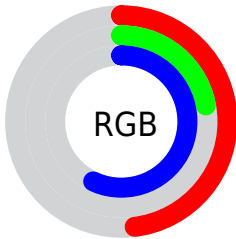
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	123, 57, 145
Decimal	8075665
CIE Lab	36.33, 43.08, -36.63
CIE LCh	36, 56.545, 319.627
Yxy	9.1815, 0.2851, 0.1776
Android (android.graphics.Color)	4286265745 (0xFF7B3991)
YUV	86.7660, 28.7094, 31.7772
Hunter-Lab	30.3011, 33.8185, -33.1527

# Details

The Hex color **7B3991** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **4F9139**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **B26CC7**, and **47015E** is the 20% darker color. If you saturate the color by 10%, you get **772B91**, and if you desaturate by 10%, it is **7F4891**.

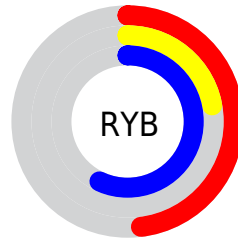
# Distribution



Red (48%)

Green (22%)

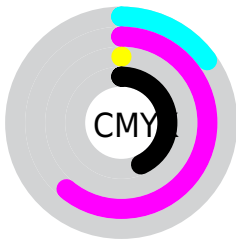
Blue (57%)



Red (48%)

Yellow (22%)

Blue (57%)

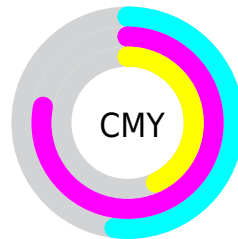


Cyan (15%)

Magenta (61%)

Yellow (0%)

Black (43%)



Cyan (52%)

Magenta (78%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B3991 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 7B3991 by changing the saturation by 10% instead.



 7B3991

 7B3991

FFFFFF

 612077

 B26CC7

 47015E

 CE86E4

 2E0046

 EBA1FF

 17002F

 FFBDFE

 000119

 FFD9FF

 000000

 FFF6FF

 7B3991

 7B3991

 772B91

 7F4891

741C91

825691

700D91

866491

6D0091

8A7391

8D8291

919091

949F91

98AD91

9CBB91

# Harmonies

## Analogous

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



2550AC



7B3991



9D2067

# Triad

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



7B3991



754E00



006973

# Complementary

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



7B3991



4F9139

# 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.



006844



7B3991



4C5C00

# Square

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



7B3991



94380D



006412



00679A

# Rectangle

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



7B3991



A41B49



006412



006963



# Sweetspot

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



7B3991



B49BBD



394F91



594A5E



DEDEDE



5E5E5E



# Same Dimension

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



7B3991



9A33BD



91397B



464047



650087



060008



# Inverse Universe

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



91394F



BD3355



39914F



474042



870022



080002



# Previews

## White Background



This preview shows how the Hex color 7B3991 looks on a white background.

## Color Contrast Check

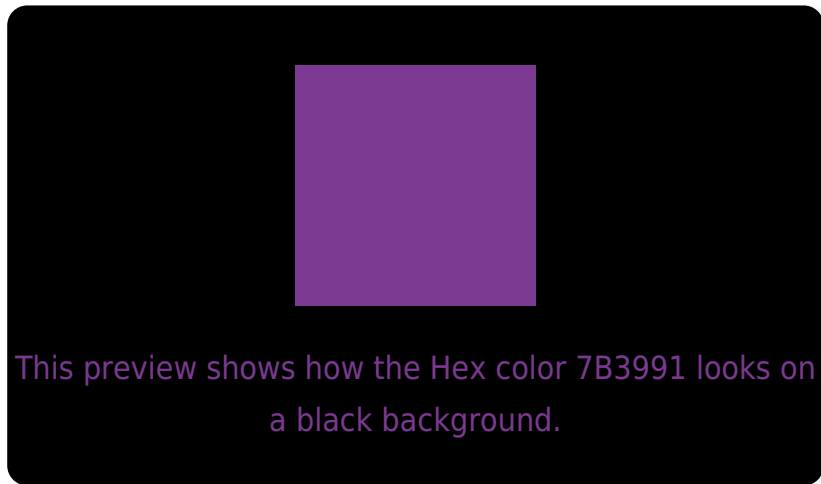
Large Text (above 18pt) WCAG AA ✓ Pass

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

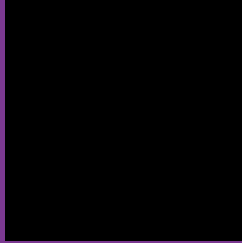
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7B3991 Background



This preview shows how black text looks on a background with the Hex color 7B3991.

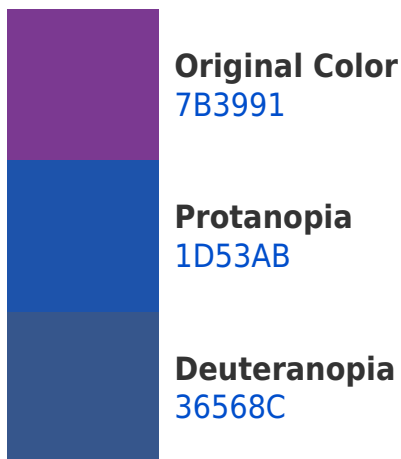


This preview shows how white text looks on a background with the Hex color 7B3991.

# 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**  
724B51

# Trichromacy



**Original Color**  
7B3991



**Protanomaly**  
3F4AA2



**Deuteranomaly**  
4F4B8E



**Tritanomaly**  
754468

# Monochromacy



**Original Color**  
7B3991



**Achromatopsia**  
575757



**Achromatomaly**  
644C6C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B3991 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 #7B3991 looks like.

```
.text, #text, p{  
    color:#7B3991  
}
```

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 #7B3991 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B3991
}
```

## Border

The CSS property to change the border of an element to Hex 7B3991 is called "border". The border property can be set on classes, ids or directly on the HTML element.

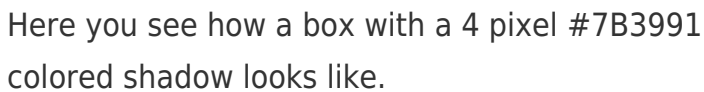
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7B3991 }
```

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

```
.border{ border-color:#7B3991 }
```

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



Here you see how a box with a 4 pixel #7B3991 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B3991; -webkit-box-shadow:4px 4px  
4px 4px #7B3991; box-shadow:4px 4px 4px  
4px #7B3991 }
```

# Background

The CSS property to change the background color of an element to Hex 7B3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B3991 }
```

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

```
.background{ background-color:#7B3991 }
```

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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