

# Converting Colors

Hex(7F3BB1)

Have a look what the booklet for  
Hex(7F3BB1) contains.

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# Color

**Hex(7F3BB1)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7F3BB1
RGB	127, 59, 177
RGB Percent	50%, 23%, 69%
CMY	0.5020, 0.7686, 0.3059
CMYK	0.28, 0.67, 0.00, 0.31
HSL	275°, 50%, 46%
HSV	275°, 67%, 69%
XYZ	18.2522, 10.8143, 42.7203
YIQ	92.7840, 2.6500, 51.1140

# Conversions

## Conversions Part 2

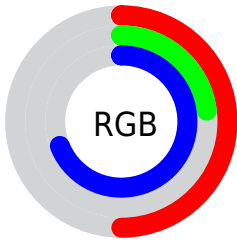
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	127, 59, 177
Decimal	8338353
CIE <sub>Lab</sub>	39.27, 50.25, -51.13
CIE <sub>LCh</sub>	39, 71.690, 314.504
Yxy	10.8143, 0.2543, 0.1506
Android (android.graphics.Color)	4286528433 (0xFF7F3BB1)
YUV	92.7840, 41.5185, 30.0074
Hunter-Lab	32.8851, 41.5238, -54.0029

# Details

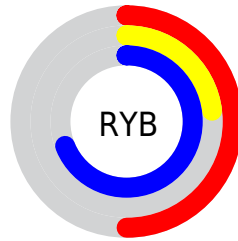
The Hex color **7F3BB1** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **6DB13B**, and the grayscale version is **5C5C5C**.

A 20% lighter version of the original color is **B76FE9**, and **48007B** is the 20% darker color. If you saturate the color by 10%, you get **7829B1**, and if you desaturate by 10%, it is **874DB1**.

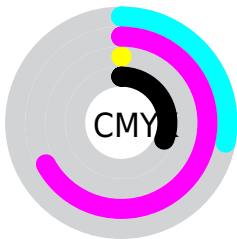
# Distribution



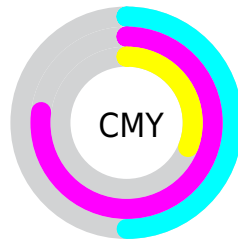
- Red (50%)
- Green (23%)
- Blue (69%)



- Red (50%)
- Yellow (23%)
- Blue (69%)



- Cyan (28%)
- Magenta (67%)
- Yellow (0%)
- Black (31%)



- Cyan (50%)
- Magenta (77%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7F3BB1 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 7F3BB1 by changing the saturation by 10% instead.



 7F3BB1

 7F3BB1

FFFFFF

 642096

 B76FE9

 48007B

 D489FF

 2D0062

 F1A5FF

 140049

 FFC0FF

 000132

 FFDDFF

 00011C

 FFFAFF

 000000

 7F3BB1

 7F3BB1

 7829B1

 874DB1

7018B1

8E5EB1

6906B1

9670B1

6600B1

9D82B1

A594B1

ACA5B1

B4B7B1

BBC9B1

C3DAB1

# Harmonies

## Analogous

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



005BD0



7F3BB1



B2007D

# Triad

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



7F3BB1



8A4F00



007478

# Complementary

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



7F3BB1



6DB13B

# 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.



00723B



7F3BB1



586300

# Square

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



7F3BB1



AE2C04



006D00



0073AE

# Rectangle

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



7F3BB1



BE0057



006D00



007464



# Sweetspot

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



7F3BB1



D2B8E6



3B6EB1



675773



F2F2F2



737373



# Same Dimension

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



7F3BB1



982EE6



B13BA9



555059



580099



0F001A



# Inverse Universe

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



B13B6D



E62E7C



3BB143



595054



990041

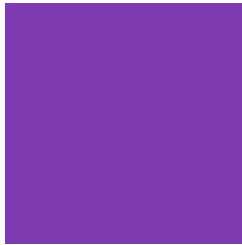


1A000B



# Previews

## White Background



This preview shows how the Hex color 7F3BB1 looks on a white background.

## Color Contrast Check

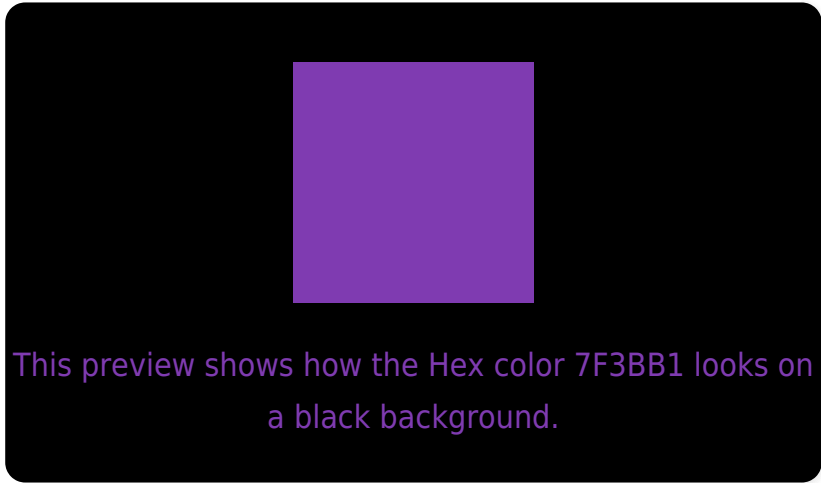
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

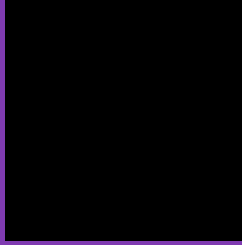
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7F3BB1 Background



This preview shows how black text looks on a background with the Hex color 7F3BB1.

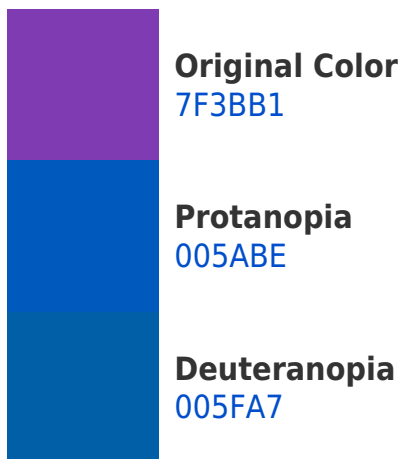



This preview shows how white text looks on a background with the Hex color 7F3BB1.

# 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**  
70565C

# Trichromacy



**Original Color**  
7F3BB1



**Protanomaly**  
2E4FB9



**Deuteranomaly**  
2E52AB



**Tritanomaly**  
754C7B

# Monochromacy



**Original Color**  
7F3BB1



**Achromatopsia**  
5D5D5D



**Achromatomaly**  
69517C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7F3BB1 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 #7F3BB1 looks like.

```
.text, #text, p{  
    color:#7F3BB1  
}
```

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 #7F3BB1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7F3BB1
}
```

## Border

The CSS property to change the border of an element to Hex 7F3BB1 is called "border". The border property can be set on classes, ids or directly on the HTML element.

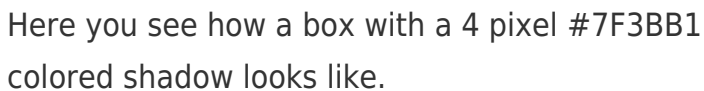
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7F3BB1 }
```

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

```
.border{ border-color:#7F3BB1 }
```

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



Here you see how a box with a 4 pixel #7F3BB1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7F3BB1; -webkit-box-shadow:4px 4px  
4px 4px #7F3BB1; box-shadow:4px 4px 4px  
4px #7F3BB1 }
```

# Background

The CSS property to change the background color of an element to Hex 7F3BB1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7F3BB1 }
```

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

```
.background{ background-color:#7F3BB1 }
```

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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