

# Converting Colors

Hex(813399)

Have a look what the booklet for  
Hex(813399) contains.

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# Color

**Hex(813399)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	813399
RGB	129, 51, 153
RGB Percent	51%, 20%, 60%
CMY	0.4941, 0.8000, 0.4000
CMYK	0.16, 0.67, 0.00, 0.40
HSL	286°, 50%, 40%
HSV	286°, 67%, 60%
XYZ	15.9869, 9.3347, 31.0962
YIQ	85.9500, 13.7460, 48.2580

# Conversions

## Conversions Part 2

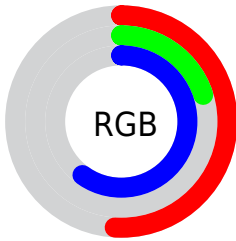
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	129, 51, 153
Decimal	8467353
CIE <sub>Lab</sub>	36.62, 49.19, -40.98
CIE <sub>LCh</sub>	37, 64.023, 320.199
Yxy	9.3347, 0.2834, 0.1655
Android (android.graphics.Color)	4286657433 (0xFF813399)
YUV	85.9500, 33.0557, 37.7549
Hunter-Lab	30.5527, 39.9337, -38.9577

# Details

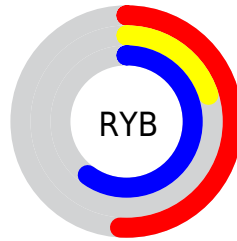
The Hex color **813399** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **4B9933**, and the grayscale version is **565656**.

A 20% lighter version of the original color is **B967D0**, and **4C0065** is the 20% darker color. If you saturate the color by 10%, you get **7D2499**, and if you desaturate by 10%, it is **854299**.

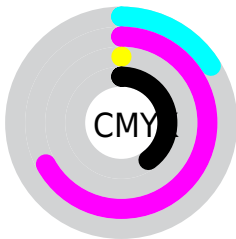
# Distribution



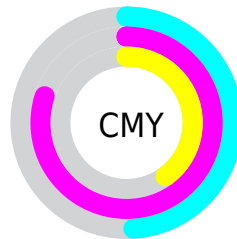
- Red (51%)
- Green (20%)
- Blue (60%)



- Red (51%)
- Yellow (20%)
- Blue (60%)



- Cyan (16%)
- Magenta (67%)
- Yellow (0%)
- Black (40%)




- Cyan (49%)
- Magenta (80%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 813399 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 813399 by changing the saturation by 10% instead.



 813399

 813399

FFFFFF

 66177F

 B967D0

 4C0065

 D582EC

 32004D

 F29DFF

 1A0035

 FFB9FF


 00021F

 FFD5FF

 000002

 FFF2FF

 000000

 813399

 813399

 7D2499

 854299

7A1499

885299

760599

8C6199

750099

8F7099

938099

978F99

9A9E99

9EAD99

A1BD99

# Harmonies

## Analogous

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



0C50B8



813399



A70569

# Triad

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



813399



784E00



006C79

# Complementary

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



813399



4B9933

# 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.



006B43



813399



495E00

# Square

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



813399



9A3400



006703



006AA5

# Rectangle

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



813399



AE0047



006703



006C67



# Sweetspot

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



813399



BE9FC7



334D99



5E4C63



E3E3E3



636363



# Same Dimension

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



813399



A128C7



993380



4B454D



6B008C



0A000D



# Inverse Universe

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



99334B



C7284D



33994D



4D4547



8C0021



0D0003



# Previews

## White Background



This preview shows how the Hex color 813399 looks on a white background.

## Color Contrast Check

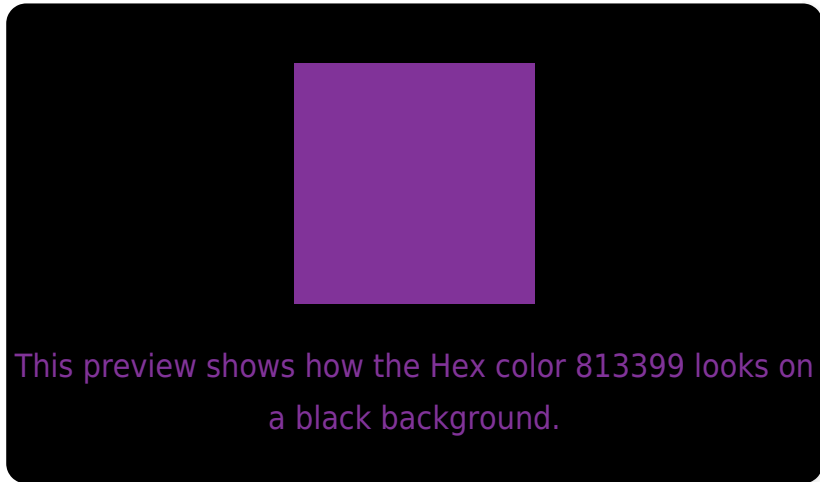
Large Text (above 18pt) WCAG AA ✓ Pass

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

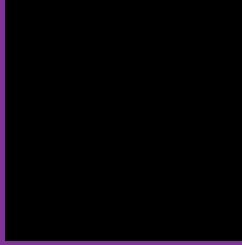
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 813399 Background



This preview shows how black text looks on a background with the Hex color 813399.




This preview shows how white text looks on a background with the Hex color 813399.

# 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**  
774A50

# Trichromacy



**Original Color**  
813399



**Protanomaly**  
2F48A9



**Deuteranomaly**  
4C4B95



**Tritanomaly**  
7B426B

# Monochromacy



**Original Color**  
813399



**Achromatopsia**  
565656



**Achromatomaly**  
66496E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 813399 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 #813399 looks like.

```
.text, #text, p{  
    color:#813399  
}
```

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 #813399 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #813399
}
```

## Border

The CSS property to change the border of an element to Hex 813399 is called "border". The border property can be set on classes, ids or directly on the HTML element.

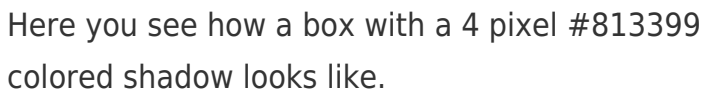
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#813399 }
```

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

```
.border{ border-color:#813399 }
```

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



Here you see how a box with a 4 pixel #813399 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #813399; -webkit-box-shadow:4px 4px  
4px 4px #813399; box-shadow:4px 4px 4px  
4px #813399 }
```

# Background

The CSS property to change the background color of an element to Hex 813399 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#813399 }
```

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

```
.background{ background-color:#813399 }
```

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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