

# Converting Colors

Hex(83008B)

Have a look what the booklet for  
Hex(83008B) contains.

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**Color**

**Hex(83008B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83008B
RGB	131, 0, 139
RGB Percent	51%, 0%, 55%
CMY	0.4863, 1.0000, 0.4549
CMYK	0.06, 1.00, 0.00, 0.45
HSL	297°, 100%, 27%
HSV	297°, 100%, 55%
XYZ	14.0203, 6.6894, 24.9783
YIQ	55.0150, 33.4570, 71.0010

# Conversions

## Conversions Part 2

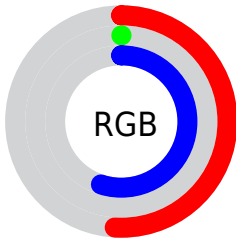
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 0, 139
Decimal	8585355
CIE <sub>Lab</sub>	31.09, 61.22, -41.24
CIE <sub>LCh</sub>	31, 73.814, 326.029
Y <sub>xy</sub>	6.6894, 0.3069, 0.1464
Android (android.graphics.Color)	4286775435 (0xFF83008B)
YUV	55.0150, 41.4046, 66.6388
Hunter-Lab	25.8638, 51.4997, -39.1554

# Details

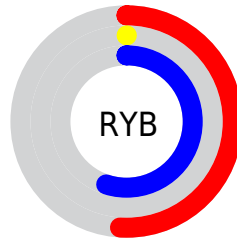
The Hex color **83008B** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **088B00**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **BC4AC1**, and **4C0058** is the 20% darker color. If you saturate the color by 10%, you get **83008B**, and if you desaturate by 10%, it is **840E8B**.

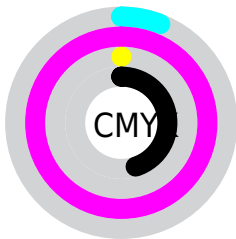
# Distribution



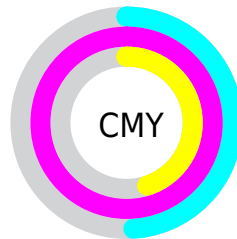
- Red (51%)
- Green (0%)
- Blue (55%)



- Red (51%)
- Yellow (0%)
- Blue (55%)



- Cyan (6%)
- Magenta (100%)
- Yellow (0%)
- Black (45%)



- Cyan (49%)
- Magenta (100%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83008B 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 83008B by changing the saturation by 10% instead.



 83008B

 83008B

FFFFFF

 680071

 BC4AC1

 4C0058

 D966DD

 340040

 F681FA

 150029

 FF9DFF

 000113

 FFBAFF

 000000

 FFD6FF

 FFF4FF

 83008B

 840E8B

 851C8B

 852A8B

 86388B

 87468B

 88538B

 89618B

 896F8B

 8A7D8B

# Harmonies

## Analogous

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



023EB4



83008B



A50054

# Triad

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



83008B



614500



005F7B

# Complementary

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



83008B



088B00

# 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.



005E40



83008B



265400

# Square

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



83008B



8A2500



005B00



005DAA

# Rectangle

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



83008B



A7002E



005B00



005F68



# Sweetspot

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



83008B



B27FB5



00098B



5A3B5C



DBDBDB



5C5C5C



# Same Dimension

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



83008B



AB00B5



8B004F



443E45



7D0085



050005



# Inverse Universe

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



8B0008



B5000A



008B3C



453E3E



850008



050000



# Previews

## White Background



This preview shows how the Hex color 83008B looks on a white background.

## Color Contrast Check

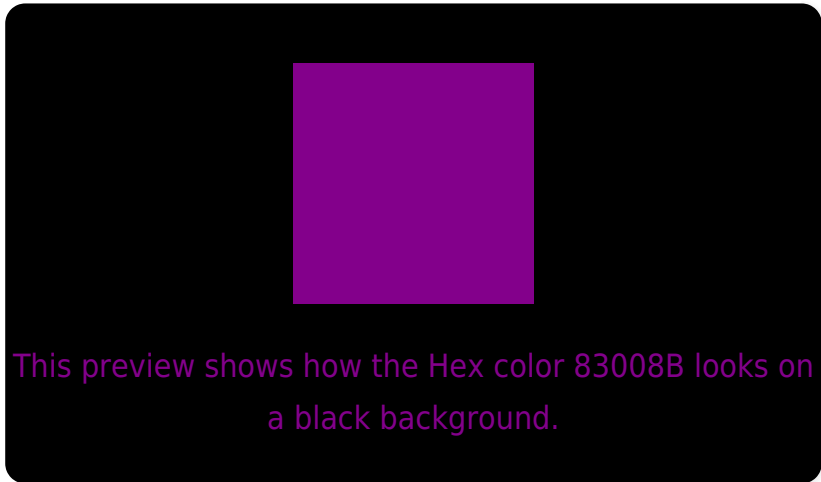
Large Text (above 18pt) WCAG AA ✓ Pass

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

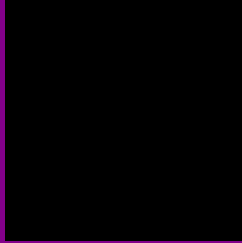
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 83008B Background



This preview shows how black text looks on a background with the Hex color 83008B.




This preview shows how white text looks on a background with the Hex color 83008B.

# 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**  
7A373A

# Trichromacy



**Original Color**  
83008B



**Protanomaly**  
302F96



**Deuteranomaly**  
463186



**Tritanomaly**  
7D2357

# Monochromacy



**Original Color**  
83008B



**Achromatopsia**  
373737



**Achromatomaly**  
532356

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83008B 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 #83008B looks like.

```
.text, #text, p{  
    color:#83008B  
}
```

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 #83008B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83008B
}
```

## Border

The CSS property to change the border of an element to Hex 83008B is called "border". The border property can be set on classes, ids or directly on the HTML element.

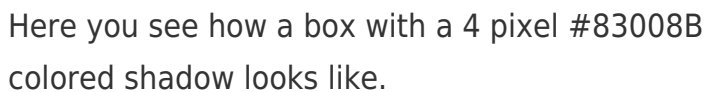
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#83008B }
```

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

```
.border{ border-color:#83008B }
```

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



Here you see how a box with a 4 pixel #83008B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83008B; -webkit-box-shadow:4px 4px  
4px 4px #83008B; box-shadow:4px 4px 4px  
4px #83008B }
```

# Background

The CSS property to change the background color of an element to Hex 83008B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83008B }
```

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

```
.background{ background-color:#83008B }
```

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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