

# Converting Colors

Hex(8B007E)

Have a look what the booklet for  
Hex(8B007E) contains.

<b>Hex(8B007E)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(8B007E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8B007E
RGB	139, 0, 126
RGB Percent	55%, 0%, 49%
CMY	0.4549, 1.0000, 0.5059
CMYK	0.00, 1.00, 0.09, 0.45
HSL	306°, 100%, 27%
HSV	306°, 100%, 55%
XYZ	14.4134, 6.9953, 20.3292
YIQ	55.9250, 42.3980, 68.6540

# Conversions

## Conversions Part 2

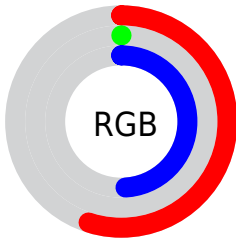
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	139, 0, 126
Decimal	9109630
CIE <sub>Lab</sub>	31.80, 60.61, -31.90
CIE <sub>LCh</sub>	32, 68.497, 332.241
Yxy	6.9953, 0.3453, 0.1676
Android (android.graphics.Color)	4287299710 (0xFF8B007E)
YUV	55.9250, 34.5470, 72.8568
Hunter-Lab	26.4487, 50.9894, -27.0580

# Details

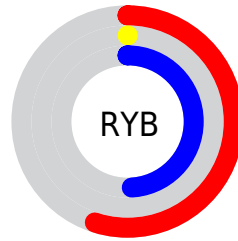
The Hex color **8B007E** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **008B0D**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **C44BB3**, and **54004C** is the 20% darker color. If you saturate the color by 10%, you get **8B007E**, and if you desaturate by 10%, it is **8B0E7F**.

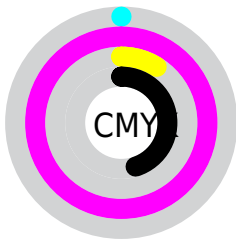
# Distribution



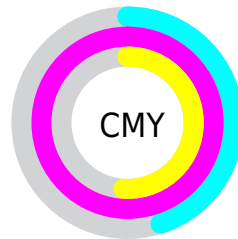
- Red (55%)
- Green (0%)
- Blue (49%)



- Red (55%)
- Yellow (0%)
- Blue (49%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (45%)



- Cyan (45%)
- Magenta (100%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8B007E 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 8B007E by changing the saturation by 10% instead.



 8B007E

 8B007E

FFFFFF

 6F0065

 C44BB3

 54004C

 E167CF

 3B0035

 FF82EB

 1F001F

 FF9EFF

 000001

 FFBBFF

 000000

 FFD8FF

 FFF5FF

 8B007E

 8B0E7F

 8B1C81

 8B2A82

 8B3883

 8B4685

 8B5386

 8B6187

 8B6F88

 8B7D8A

# Harmonies

## Analogous

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



433AA8



8B007E



A30049

# Triad

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



8B007E



594A00



006084

# Complementary

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



8B007E



008B0D

# 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.



005F4E



8B007E



1D5700

# Square

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



8B007E



823200



005D11



005DAB

# Rectangle

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



8B007E



A20027



005D11



006073



# Sweetspot

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



8B007E



B57FB0



0C008B



5C3B59



DBDBDB



5C5C5C



# Same Dimension

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



8B007E



B500A4



8B003A



453E44



850078



050005



# Inverse Universe

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



8B007E



B500A4



008B51



453E44



850078



050005



# Previews

## White Background



This preview shows how the Hex color 8B007E looks on a white background.

## Color Contrast Check

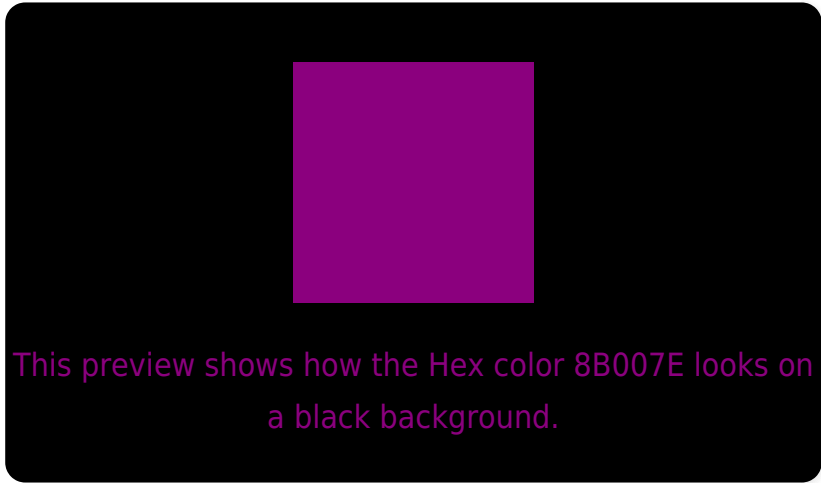
Large Text (above 18pt) WCAG AA ✓ Pass

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

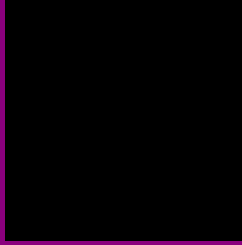
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 8B007E Background



This preview shows how black text looks on a background with the Hex color 8B007E.



This preview shows how white text looks on a background with the Hex color 8B007E.

# 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**  
843235

# Trichromacy



**Original Color**  
8B007E



**Protanomaly**  
333093



**Deuteranomaly**  
583279



**Tritanomaly**  
872050

# Monochromacy



**Original Color**  
8B007E



**Achromatopsia**  
383838



**Achromatomaly**  
562451

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8B007E 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 #8B007E looks like.

```
.text, #text, p{  
    color:#8B007E  
}
```

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 #8B007E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8B007E
}
```

## Border

The CSS property to change the border of an element to Hex 8B007E is called "border". The border property can be set on classes, ids or directly on the HTML element.

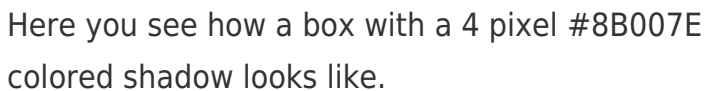
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#8B007E }
```

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

```
.border{ border-color:#8B007E }
```

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



Here you see how a box with a 4 pixel #8B007E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8B007E; -webkit-box-shadow:4px 4px  
4px 4px #8B007E; box-shadow:4px 4px 4px  
4px #8B007E }
```

# Background

The CSS property to change the background color of an element to Hex 8B007E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8B007E }
```

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

```
.background{ background-color:#8B007E }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor