

# Converting Colors

Hex(800080)

Have a look what the booklet for  
Hex(800080) contains.

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**Color**

**Hex(800080)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	800080
RGB	128, 0, 128
RGB Percent	50%, 0%, 50%
CMY	0.4980, 1.0000, 0.4980
CMYK	0.00, 1.00, 0.00, 0.50
HSL	300°, 100%, 25%
HSV	300°, 100%, 50%
XYZ	12.7984, 6.1477, 20.9342
YIQ	52.8640, 35.2000, 66.9440

# Conversions

## Conversions Part 2

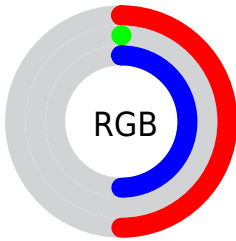
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 0, 128
Decimal	8388736
CIE <sub>Lab</sub>	29.78, 58.94, -36.50
CIE <sub>LCh</sub>	30, 69.325, 328.233
Yxy	6.1477, 0.3209, 0.1542
Android (android.graphics.Color)	4286578816 (0xFF800080)
YUV	52.8640, 37.0420, 65.8943
Hunter-Lab	24.7946, 48.7470, -32.7026

# Details

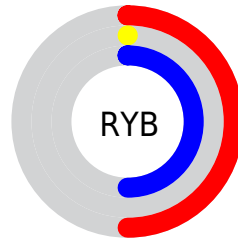
The Hex color **800080** is a dark color, and the websafe version is hex **993399**, and the color name is **patriarch**. A complement of this color would be **008000**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **B848B5**, and **4A004E** is the 20% darker color. If you saturate the color by 10%, you get **800080**, and if you desaturate by 10%, it is **800D80**.

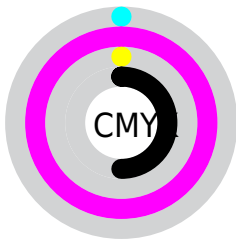
# Distribution



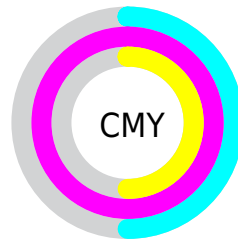
- Red (50%)
- Green (0%)
- Blue (50%)



- Red (50%)
- Yellow (0%)
- Blue (50%)



- Cyan (0%)
- Magenta (100%)
- Yellow (0%)
- Black (50%)



- Cyan (50%)
- Magenta (100%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 800080 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 800080 by changing the saturation by 10% instead.



 800080

 800080

FFFFFF

 650067

 B848B5

 4A004E

 D564D1

 330037

 F37FEE

 0F0020

 FF9BFF

 000004

 FFB7FF

 000000

 FFD4FF

 FFF1FF

 800080

 800D80

 801A80

 802680

 803380

 804080

 804D80

 805A80

 806680

 807380

# Harmonies

## Analogous

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



2639A7



800080



9D004C

# Triad

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



800080



5A4300



005B78

# Complementary

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



800080



008000

# 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.



005A41



800080



215100

# Square

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



800080



812800



005700



0059A3

# Rectangle

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



800080



9E0029



005700



005B67



# Sweetspot

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



800080



A674A6



000080



543654



D4D4D4



545454



# Same Dimension

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



800080



A600A6



800040



403940



000000

# Inverse Universe

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



800080



A600A6



008040



403940



000000

# Previews

## White Background



This preview shows how the Hex color 800080 looks on a white background.

## Color Contrast Check

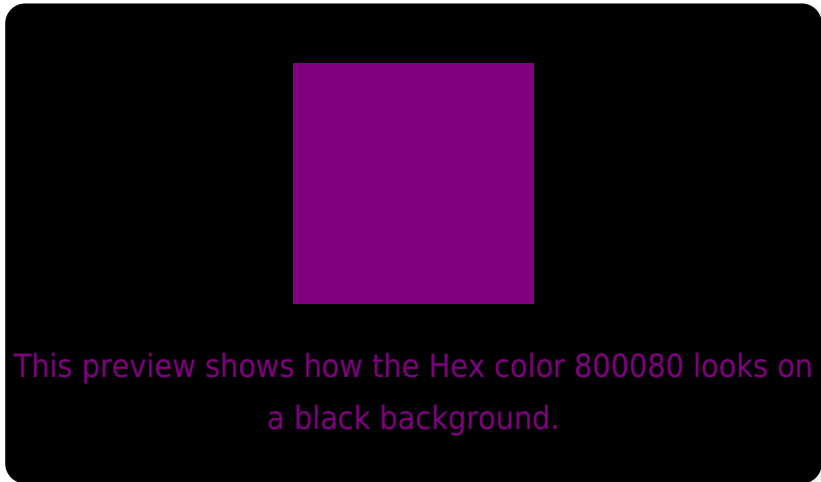
Large Text (above 18pt) WCAG AA ✓ Pass

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

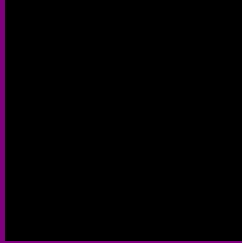
Any Text WCAG AA × Fail

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 800080 Background



This preview shows how black text looks on a background with the Hex color 800080.



This preview shows how white text looks on a background with the Hex color 800080.


# 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**  
783236

# Trichromacy



**Original Color**  
800080



**Protanomaly**  
2F2D8E



**Deuteranomaly**  
4B2F7B



**Tritanomaly**  
7B2051

# Monochromacy



**Original Color**  
800080



**Achromatopsia**  
353535



**Achromatomaly**  
502250

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 800080 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 #800080 looks like.

```
.text, #text, p{  
    color:#800080  
}
```

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 #800080 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #800080
}
```

## Border

The CSS property to change the border of an element to Hex 800080 is called "border". The border property can be set on classes, ids or directly on the HTML element.

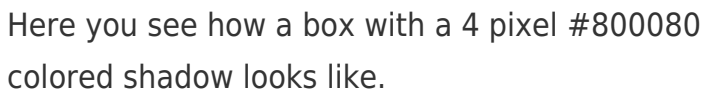
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#800080 }
```

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

```
.border{ border-color:#800080 }
```

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



Here you see how a box with a 4 pixel #800080 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #800080; -webkit-box-shadow:4px 4px  
4px 4px #800080; box-shadow:4px 4px 4px  
4px #800080 }
```

# Background

The CSS property to change the background color of an element to Hex 800080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#800080 }
```

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

```
.background{ background-color:#800080 }
```

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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