

# Converting Colors

Hex(800078)

Have a look what the booklet for  
Hex(800078) contains.

<b>Hex(800078)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**Hex(800078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	800078
RGB	128, 0, 120
RGB Percent	50%, 0%, 47%
CMY	0.4980, 1.0000, 0.5294
CMYK	0.00, 1.00, 0.06, 0.50
HSL	304°, 100%, 25%
HSV	304°, 100%, 50%
XYZ	12.2923, 5.9453, 18.2690
YIQ	51.9520, 37.7680, 64.4560

# Conversions

## Conversions Part 2

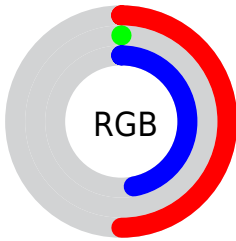
Format	Color
<b>R<sub>YB</sub></b>	128, 0, 120
Decimal	8388728
CIE <sub>Lab</sub>	29.27, 57.71, -32.25
CIE <sub>LCh</sub>	29, 66.107, 330.800
Yxy	5.9453, 0.3367, 0.1629
Android (android.graphics.Color)	4286578808 (0xFF800078)
YUV	51.9520, 33.5477, 66.6941
Hunter-Lab	24.3829, 47.3178, -27.3552

# Details

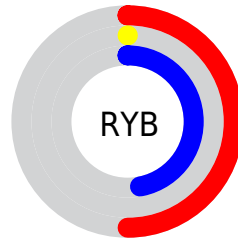
The Hex color **800078** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **008008**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **B848AD**, and **4A0047** is the 20% darker color. If you saturate the color by 10%, you get **800078**, and if you desaturate by 10%, it is **800D79**.

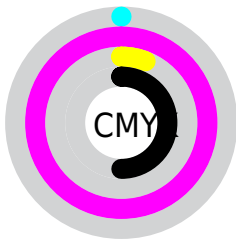
# Distribution



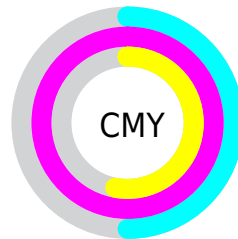
- Red (50%)
- Green (0%)
- Blue (47%)



- Red (50%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (6%)
- Black (50%)



- Cyan (50%)
- Magenta (100%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 800078 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 800078 by changing the saturation by 10% instead.



 800078

 800078

FFFFFF

 65005F

 B848AD

 4A0047

 D563C8

 330030

 F37FE5

 0E001A

 FF9AFF

 000000

 FFB7FF

 FFD3FF

 FFF1FF

 800078

 800D79

 801A7A

 80267A

 80337B

 80407C

 804D7D

 805A7E

 80667E

 80737F

# Harmonies

## Analogous

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



37369F



800078



990046

# Triad

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



800078



544400



005979

# Complementary

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



800078



008008

# 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.



005845



800078



1D5000

# Square

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



800078



7B2C00



005609



0056A0

# Rectangle

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



800078



980025



005609



005968



# Sweetspot

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



800078



A674A3



060080



543652



D4D4D4



545454



# Same Dimension

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



800078



A6009B



80003A



40393F



000000

# Inverse Universe

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



800078



A6009B



008046



40393F



000000

# Previews

## White Background



This preview shows how the Hex color 800078 looks on a white background.

## Color Contrast Check

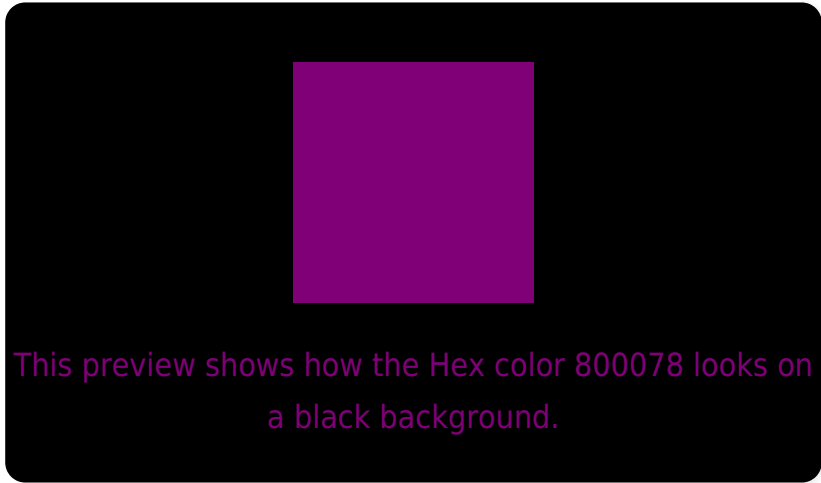
Large Text (above 18pt) WCAG AA ✓ Pass

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

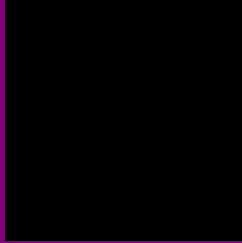
Any Text WCAG AA × Fail

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 800078 Background



This preview shows how black text looks on a background with the Hex color 800078.



This preview shows how white text looks on a background with the Hex color 800078.

# 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**  
792F32

# Trichromacy



**Original Color**  
800078



**Protanomaly**  
2F2D8A



**Deuteranomaly**  
4F2E74



**Tritanomaly**  
7C1E4B

# Monochromacy



**Original Color**  
800078



**Achromatopsia**  
343434



**Achromatomaly**  
50214D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 800078 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 #800078 looks like.

```
.text, #text, p{  
    color:#800078  
}
```

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 #800078 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #800078
}
```

## Border

The CSS property to change the border of an element to Hex 800078 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
#800078 }
```

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

```
.border{ border-color:#800078 }
```

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

Here you see how a box with a 4 pixel #800078 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #800078; -webkit-box-shadow:4px 4px  
4px 4px #800078; box-shadow:4px 4px 4px  
4px #800078 }
```

# Background

The CSS property to change the background color of an element to Hex 800078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#800078 }
```

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

```
.background{ background-color:#800078 }
```

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