

# Converting Colors

Hex(800D84)

Have a look what the booklet for  
Hex(800D84) contains.

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**Color**

**Hex(800D84)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	800D84
RGB	128, 13, 132
RGB Percent	50%, 5%, 52%
CMY	0.4980, 0.9490, 0.4824
CMYK	0.03, 0.90, 0.00, 0.48
HSL	298°, 82%, 28%
HSV	298°, 90%, 52%
XYZ	13.2109, 6.5430, 22.3964
YIQ	60.9510, 30.3410, 61.3890

# Conversions

## Conversions Part 2

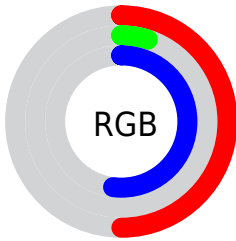
<b>Format</b>	<b>Color</b>
<b>RYB</b>	128, 13, 132
Decimal	8392068
CIELab	30.74, 57.52, -37.47
CIElCh	31, 68.649, 326.921
Yxy	6.5430, 0.3134, 0.1552
Android (android.graphics.Color)	4286582148 (0xFF800D84)
YUV	60.9510, 35.0272, 58.8020
Hunter-Lab	25.5793, 47.4258, -34.0071

# Details

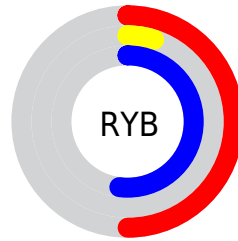
The Hex color **800D84** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **11840D**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **B84DBA**, and **4A0052** is the 20% darker color. If you saturate the color by 10%, you get **800084**, and if you desaturate by 10%, it is **801A84**.

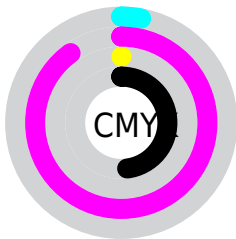
# Distribution



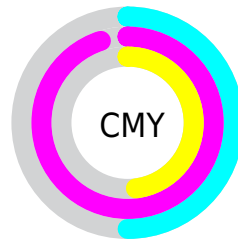
- Red (50%)
- Green (5%)
- Blue (52%)



- Red (50%)
- Yellow (5%)
- Blue (52%)



- Cyan (3%)
- Magenta (90%)
- Yellow (0%)
- Black (48%)



- Cyan (50%)
- Magenta (95%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 800D84 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 800D84 by changing the saturation by 10% instead.



 800D84

 800D84

FFFFFF

 65006A

 B84DBA

 4A0052

 D568D6

 33003A

 F284F2

 120024

 FF9FFF

 00000A

 FFBCFF

 000000

 FFD8FF

 FFF6FF

 800D84

 800D84

800084

801A84

812784

813584

824284

824F84

835C84

836984

847784

848484

# Harmonies

## Analogous

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



223DAA



800D84



9E0050

# Triad

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



800D84



5E4500



005D78

# Complementary

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



800D84



11840D

# 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.



005C41



800D84



285300

# Square

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



800D84



852900



005A00



005BA3

# Rectangle

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



800D84



A1002D



005A00



005D66



# Sweetspot

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



800D84



A97DAB



0D1384



563B57



D6D6D6



575757



# Same Dimension

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



800D84



A500AB



840D4E



423C42



7E0082



020003



# Inverse Universe

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



840D11



AB0006



0D8443



423C3C



820004



030000



# Previews

## White Background



This preview shows how the Hex color 800D84 looks on a white background.

## Color Contrast Check

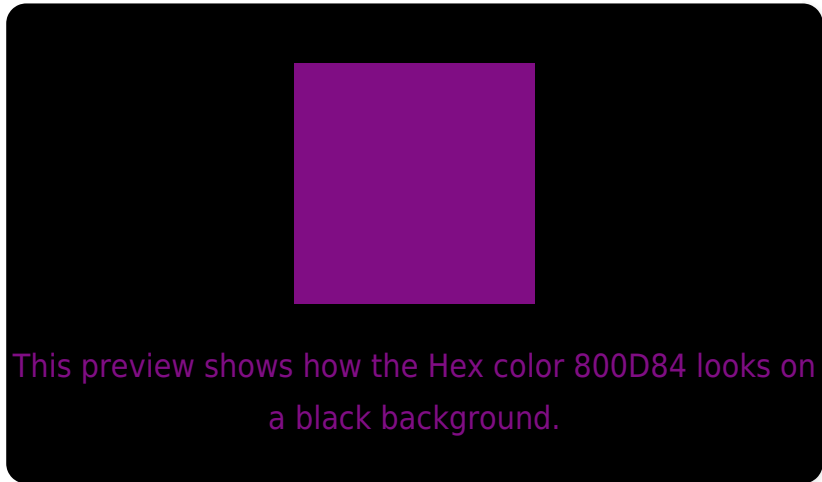
Large Text (above 18pt) WCAG AA ✓ Pass

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

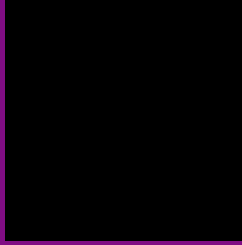
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 800D84 Background



This preview shows how black text looks on a background with the Hex color 800D84.




This preview shows how white text looks on a background with the Hex color 800D84.

# 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**  
773538

# Trichromacy



**Original Color**  
800D84



**Protanomaly**  
2F3391



**Deuteranomaly**  
49347F



**Tritanomaly**  
7A2654

# Monochromacy



**Original Color**  
800D84



**Achromatopsia**  
3D3D3D



**Achromatomaly**  
552C57

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 800D84 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 #800D84 looks like.

```
.text, #text, p{  
    color:#800D84  
}
```

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 #800D84 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #800D84
}
```

## Border

The CSS property to change the border of an element to Hex 800D84 is called "border". The border property can be set on classes, ids or directly on the HTML element.

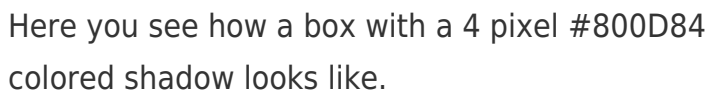
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#800D84 }
```

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

```
.border{ border-color:#800D84 }
```

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



Here you see how a box with a 4 pixel #800D84 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #800D84; -webkit-box-shadow:4px 4px  
4px 4px #800D84; box-shadow:4px 4px 4px  
4px #800D84 }
```

# Background

The CSS property to change the background color of an element to Hex 800D84 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#800D84 }
```

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

```
.background{ background-color:#800D84 }
```

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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