

# Converting Colors

Hex(800065)

Have a look what the booklet for  
Hex(800065) contains.

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**Color**

**Hex(800065)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	800065
RGB	128, 0, 101
RGB Percent	50%, 0%, 40%
CMY	0.4980, 1.0000, 0.6039
CMYK	0.00, 1.00, 0.21, 0.50
HSL	313°, 100%, 25%
HSV	313°, 100%, 50%
XYZ	11.2511, 5.5288, 12.7861
YIQ	49.7860, 43.8670, 58.5470

# Conversions

## Conversions Part 2

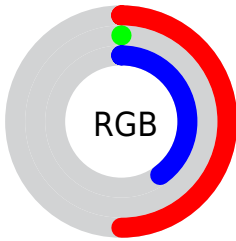
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 0, 101
Decimal	8388709
CIE <sub>Lab</sub>	28.19, 55.02, -21.75
CIE <sub>LCh</sub>	28, 59.165, 338.434
Yxy	5.5288, 0.3805, 0.1870
Android (android.graphics.Color)	4286578789 (0xFF800065)
YUV	49.7860, 25.2485, 68.5937
Hunter-Lab	23.5134, 44.2632, -15.7813

# Details

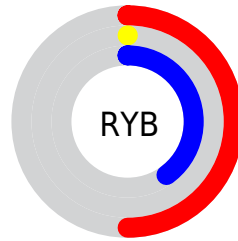
The Hex color **800065** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **00801B**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **B84698**, and **4A0036** is the 20% darker color. If you saturate the color by 10%, you get **800065**, and if you desaturate by 10%, it is **800D68**.

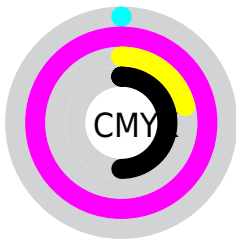
# Distribution



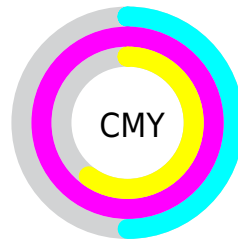
- Red (50%)
- Green (0%)
- Blue (40%)



- Red (50%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (50%)



- Cyan (50%)
- Magenta (100%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 800065 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 800065 by changing the saturation by 10% instead.



 800065

 800065

FFFFFF

 65004D

 B84698

 4A0036

 D562B3

 320021

 F37DCF

 090004

 FF99EB

 000000

 FFB5FF

 FFD2FF

 FFEFFF

 800065

 800D68

 801A6A

 80266D

 803370

 804073

 804D75

 805A78

 80667B

 80737D

# Harmonies

## Analogous

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



502E8B



800065



8F0038

# Triad

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



800065



474500



00557B

# Complementary

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



800065



00801B

# 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.



00554F



800065



0C4E00

# Square

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



800065



6C3300



00531E



005098

# Rectangle

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



800065



8B001B



00531E



00556D



# Sweetspot

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



800065



A6749B



1A0080



54364E



D4D4D4



545454



# Same Dimension

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



800065



A60083



800026



40393E



000000

# Inverse Universe

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



800065



A60083



00805A



40393E



000000

# Previews

## White Background



This preview shows how the Hex color 800065 looks on a white background.

## Color Contrast Check

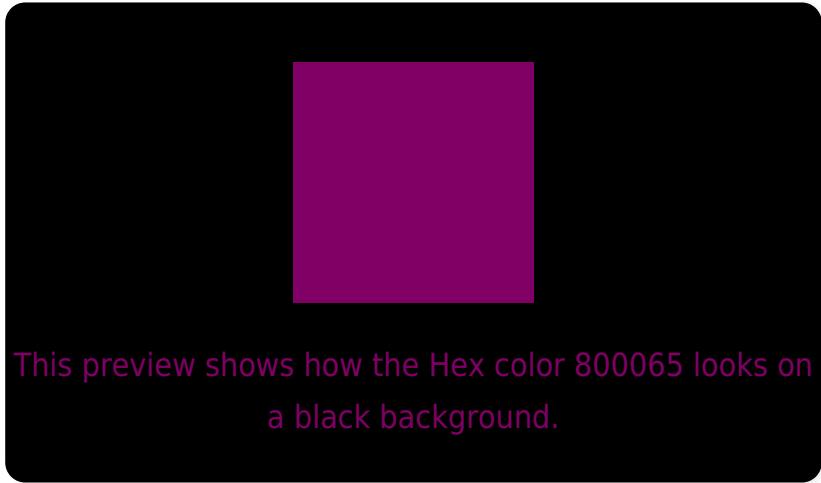
Large Text (above 18pt) WCAG AA ✓ Pass

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

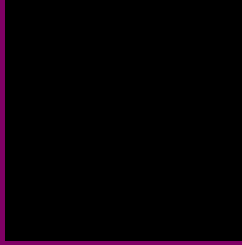
Any Text WCAG AA × Fail

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 800065 Background



This preview shows how black text looks on a background with the Hex color 800065.

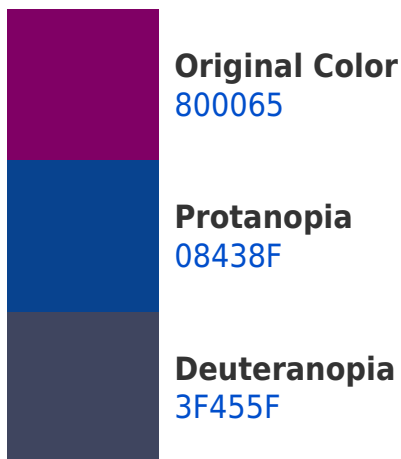


This preview shows how white text looks on a background with the Hex color 800065.


# 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**  
7B282A

# Trichromacy



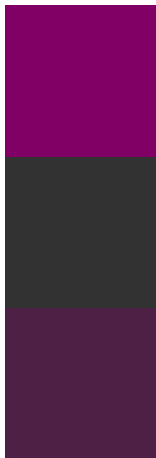
**Original Color**  
800065

**Protanomaly**  
342B80

**Deuteranomaly**  
572C61

**Tritanomaly**  
7D193F

# Monochromacy



**Original Color**  
800065

**Achromatopsia**  
323232

**Achromatomaly**  
4E2045

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 800065 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 #800065 looks like.

```
.text, #text, p{  
    color:#800065  
}
```

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 #800065 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #800065
}
```

## Border

The CSS property to change the border of an element to Hex 800065 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
#800065 }
```

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

```
.border{ border-color:#800065 }
```

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

Here you see how a box with a 4 pixel #800065 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #800065; -webkit-box-shadow:4px 4px  
4px 4px #800065; box-shadow:4px 4px 4px  
4px #800065 }
```

# Background

The CSS property to change the background color of an element to Hex 800065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#800065 }
```

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

```
.background{ background-color:#800065 }
```

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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