

# Converting Colors

Hex(800ACC)

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

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**Color**

**Hex(800ACC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	800ACC
RGB	128, 10, 204
RGB Percent	50%, 4%, 80%
CMY	0.4980, 0.9608, 0.2000
CMYK	0.37, 0.95, 0.00, 0.20
HSL	276°, 91%, 42%
HSV	276°, 95%, 80%
XYZ	19.9097, 9.1659, 57.8466
YIQ	67.3980, 8.0540, 85.3500

# Conversions

## Conversions Part 2

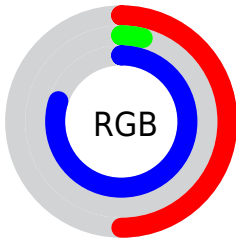
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 10, 204
Decimal	8391372
CIE <sub>Lab</sub>	36.30, 71.51, -71.81
CIE <sub>LCh</sub>	36, 101.340, 314.880
Yxy	9.1659, 0.2291, 0.1054
Android (android.graphics.Color)	4286581452 (0xFF800ACC)
YUV	67.3980, 67.3448, 53.1480
Hunter-Lab	30.2753, 64.4041, -92.0920

# Details

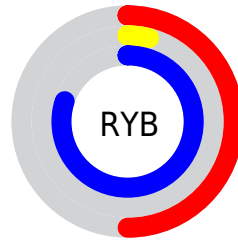
The Hex color **800ACC** is a dark color, and the websafe version is hex **9900CC**. The color can be described as dark washed purple. A complement of this color would be **56CC0A**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **BB51FF**, and **430094** is the 20% darker color. If you saturate the color by 10%, you get **7C00CC**, and if you desaturate by 10%, it is **881ECC**.

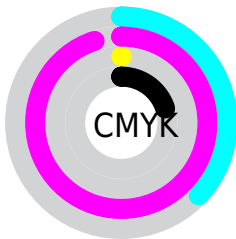
# Distribution



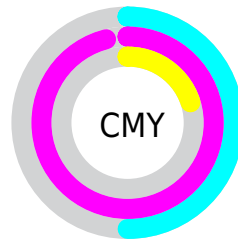
- Red (50%)
- Green (4%)
- Blue (80%)



- Red (50%)
- Yellow (4%)
- Blue (80%)



- Cyan (37%)
- Magenta (95%)
- Yellow (0%)
- Black (20%)



- Cyan (50%)
- Magenta (96%)
- Yellow (20%)

# Brightness & Saturation Gradients

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



 800ACC

 800ACC

FFFFFF

 6200B0

 BB51FF

 430094

 D96EFF

 20007A

 F88AFF

 000060

 FFA6FF

 000047

 FFC3FF

 00042F

 FFE0FF

 00011A

FFFEFF

 000000

 800ACC

 800ACC

 7C00CC

 881ECC

 9033CC

 9847CC

 A05CCC

 A870CC

 B084CC

 B899CC

 C0ADCC

 C8C2CC

# Harmonies

## Analogous

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



0056F9



800ACC



C90082

# Triad

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



800ACC



8A4200



00717E

# Complementary

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



800ACC



56CC0A

# 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.



006F26



800ACC



425F00

# Square

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



800ACC



BD0000



006A00



0072CA

# Rectangle

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



800ACC



D7004D



006A00



007062



# Sweetspot

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



800ACC



E2B5FF



0A58CC



6E5380



000000



808080



# Same Dimension

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



800ACC



9B00FF



CC0AB9



625C66



6500A6



170026



# Inverse Universe

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



CC0A56



FF0064



0ACC1D



665C60



A60041

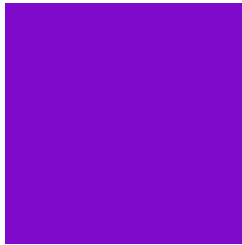


26000F



# Previews

## White Background



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

## Color Contrast Check

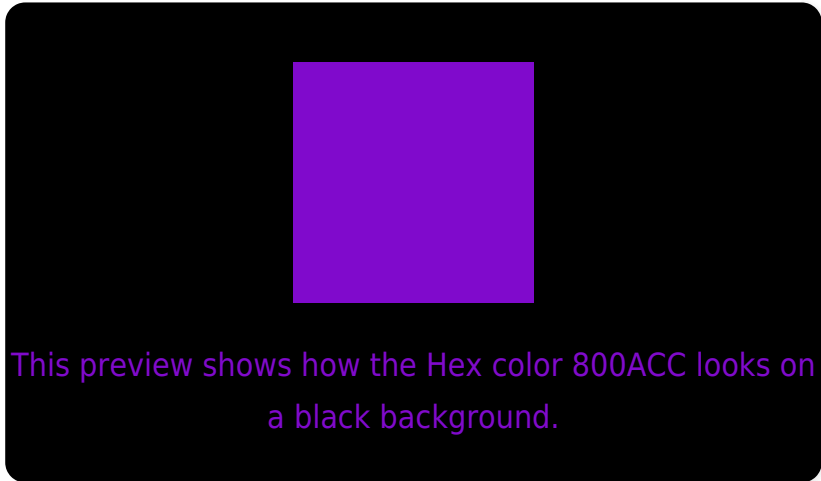
Large Text (above 18pt) WCAG AA ✓ Pass

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 800ACC Background



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

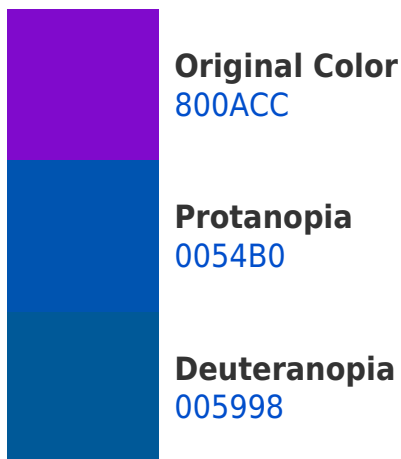


This preview shows how white text looks on a background with the Hex color 800ACC.

# 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**  
695056

# Trichromacy



**Original Color**  
800ACC



**Protanomaly**  
2F39BA



**Deuteranomaly**  
2F3CAB



**Tritanomaly**  
713781

# Monochromacy



**Original Color**  
800ACC



**Achromatopsia**  
434343



**Achromatomaly**  
592E75

# CSS Examples

## Text

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

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

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 #800ACC colored shadow looks like.

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

## Border

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

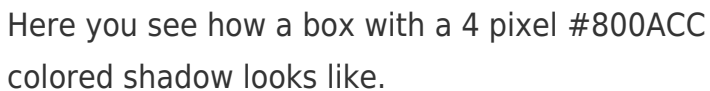
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

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

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

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

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



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

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

# Background

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

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

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

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

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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