

# Converting Colors

Hex(830068)

Have a look what the booklet for  
Hex(830068) contains.

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**Color**

**Hex(830068)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	830068
RGB	131, 0, 104
RGB Percent	51%, 0%, 41%
CMY	0.4863, 1.0000, 0.5922
CMYK	0.00, 1.00, 0.21, 0.49
HSL	312°, 100%, 26%
HSV	312°, 100%, 51%
XYZ	11.8588, 5.8248, 13.5960
YIQ	51.0250, 44.6920, 60.1160

# Conversions

## Conversions Part 2

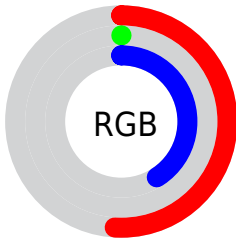
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	131, 0, 104
Decimal	8585320
CIE <sub>Lab</sub>	28.97, 56.03, -22.44
CIE <sub>LCh</sub>	29, 60.352, 338.175
Yxy	5.8248, 0.3791, 0.1862
Android (android.graphics.Color)	4286775400 (0xFF830068)
YUV	51.0250, 26.1167, 70.1381
Hunter-Lab	24.1346, 45.4723, -16.5062

# Details

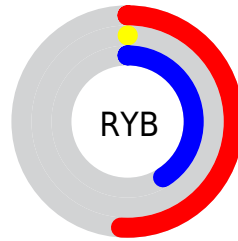
The Hex color **830068** is a dark color, and the websafe version is hex **990066**. A complement of this color would be **00831B**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **BC479B**, and **4D0038** is the 20% darker color. If you saturate the color by 10%, you get **830068**, and if you desaturate by 10%, it is **830D6B**.

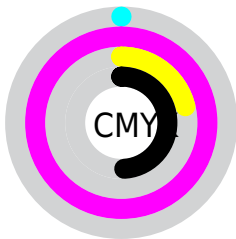
# Distribution



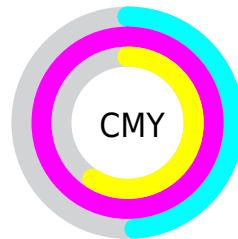
- Red (51%)
- Green (0%)
- Blue (41%)



- Red (51%)
- Yellow (0%)
- Blue (41%)



- Cyan (0%)
- Magenta (100%)
- Yellow (21%)
- Black (49%)



- Cyan (49%)
- Magenta (100%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 830068 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 830068 by changing the saturation by 10% instead.



 830068

 830068

FFFFFF

 680050

 BC479B

 4D0038

 D963B6

 350023

 F67ED2

 110009

 FF9AEE

 000000

 FFB6FF

 FFD3FF

 FFF0FF

 830068

 830D6B

 831A6D

 832770

 833473

 834276

 834F78

 835C7B

 83697E

 837680

# Harmonies

## Analogous

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



51308F



830068



93003A

# Triad

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



830068



494700



00577E

# Complementary

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



830068



00831B

# 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.



005750



830068



0D5000

# Square

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



830068



6F3400



00551E



00539C

# Rectangle

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



830068



8F001C



00551E



005770



# Sweetspot

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



830068



AB78A0



1A0083



573750



D6D6D6



575757



# Same Dimension

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



830068



AB0088



830027



423C41



820067



030002



# Inverse Universe

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



830068



AB0088



00835C



423C41



820067



030002



# Previews

## White Background



This preview shows how the Hex color 830068 looks on a white background.

## Color Contrast Check

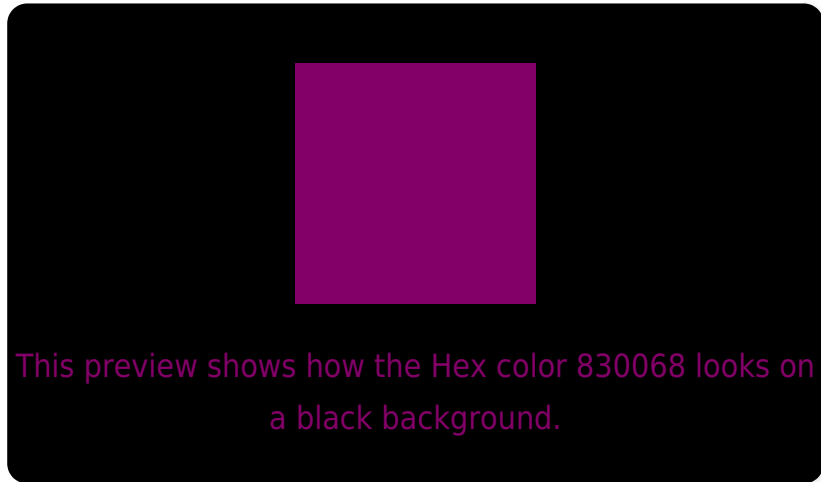
Large Text (above 18pt) WCAG AA ✓ Pass

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

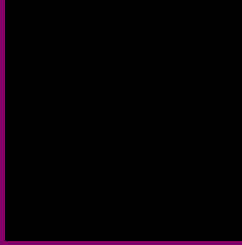
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 830068 Background



This preview shows how black text looks on a background with the Hex color 830068.

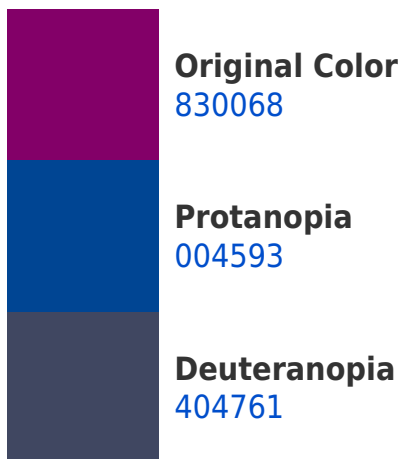


This preview shows how white text looks on a background with the Hex color 830068.

# 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**  
7E292B

# Trichromacy



**Original Color**  
830068



**Protanomaly**  
302C83



**Deuteranomaly**  
582D64



**Tritanomaly**  
801A41

# Monochromacy



**Original Color**  
830068



**Achromatopsia**  
333333



**Achromatomaly**  
502046

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 830068 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 #830068 looks like.

```
.text, #text, p{  
    color:#830068  
}
```

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 #830068 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #830068
}
```

## Border

The CSS property to change the border of an element to Hex 830068 is called "border". The border property can be set on classes, ids or directly on the HTML element.

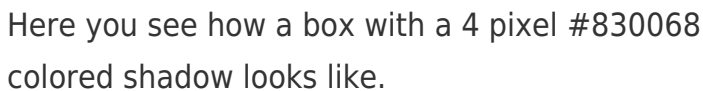
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#830068 }
```

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

```
.border{ border-color:#830068 }
```

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



Here you see how a box with a 4 pixel #830068 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #830068; -webkit-box-shadow:4px 4px  
4px 4px #830068; box-shadow:4px 4px 4px  
4px #830068 }
```

# Background

The CSS property to change the background color of an element to Hex 830068 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#830068 }
```

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

```
.background{ background-color:#830068 }
```

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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