

# Converting Colors

Hex(820045)

Have a look what the booklet for  
Hex(820045) contains.

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# Color

**Hex(820045)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	820045
RGB	130, 0, 69
RGB Percent	51%, 0%, 27%
CMY	0.4902, 1.0000, 0.7294
CMYK	0.00, 1.00, 0.47, 0.49
HSL	328°, 100%, 25%
HSV	328°, 100%, 51%
XYZ	10.2801, 5.1755, 6.0874
YIQ	46.7360, 55.3310, 49.0190

# Conversions

## Conversions Part 2

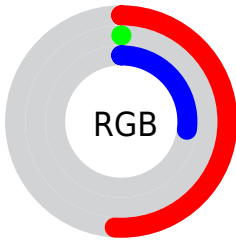
<b>Format</b>	<b>Color</b>
<b>RYB</b>	130, 0, 69
Decimal	8519749
CIELab	27.23, 51.89, -1.94
CIELCh	27, 51.931, 357.857
Yxy	5.1755, 0.4772, 0.2402
Android (android.graphics.Color)	4286709829 (0xFF820045)
YUV	46.7360, 10.9762, 73.0225
Hunter-Lab	22.7497, 40.8482, 0.0600

# Details

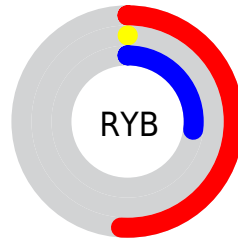
The Hex color **820045** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **00823D**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **BB4575**, and **4A001A** is the 20% darker color. If you saturate the color by 10%, you get **820045**, and if you desaturate by 10%, it is **820D4B**.

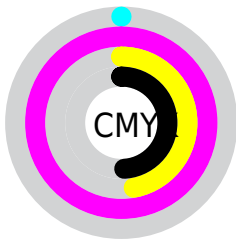
# Distribution



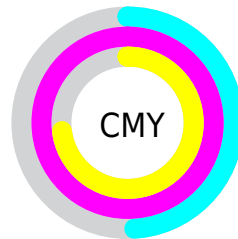
- Red (51%)
- Green (0%)
- Blue (27%)



- Red (51%)
- Yellow (0%)
- Blue (27%)



- Cyan (0%)
- Magenta (100%)
- Yellow (47%)
- Black (49%)



- Cyan (49%)
- Magenta (100%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 820045 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 820045 by changing the saturation by 10% instead.



 820045

 820045

FFFFFF

 66002F

 BB4575

 4A001A

 D9608F

 320002

 F77CA9

 000000

 FF97C4

 FFB3E0

 FFD0FD

 FFEDFF

 820045

 820D4B

 821A51

 822757

 82345D

 824163

 824E6A

 825B70

 826876

 82757C

# Harmonies

## Analogous

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



6C1E6B



820045



81111E

# Triad

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



820045



2C4900



004E84

# Complementary

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



820045



00823D

# 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.



005165



820045



004E11

# Square

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



820045



523E00



00513C



004791

# Rectangle

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



820045



772401



00513C



00507B



# Sweetspot

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



820045



A87691



3D0082



543646



D4D4D4



545454



# Same Dimension

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



820045



A80059



820004



40393D



800044



000000



# Inverse Universe

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



820045



A80059



00827E



40393D



800044

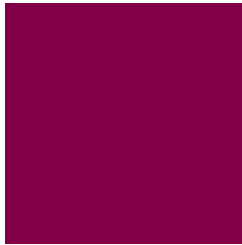


000000



# Previews

## White Background



This preview shows how the Hex color 820045 looks on a white background.

## Color Contrast Check

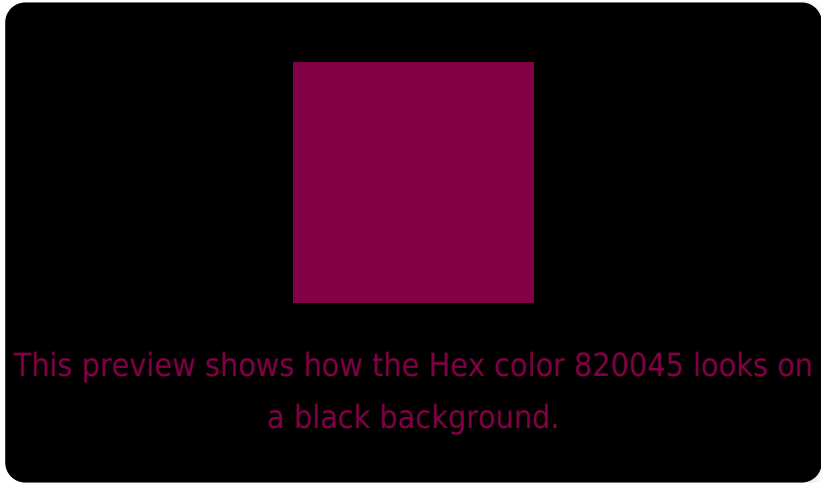
Large Text (above 18pt) WCAG AA ✓ Pass

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 820045 Background



This preview shows how black text looks on a background with the Hex color 820045.

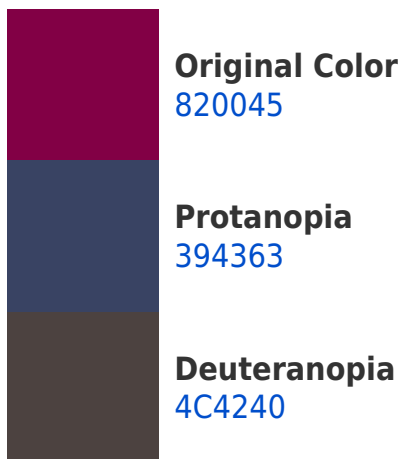


This preview shows how white text looks on a background with the Hex color 820045.

# 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**  
801B1C

# Trichromacy



**Original Color**  
820045

**Protanomaly**  
542B58

**Deuteranomaly**  
602A42

**Tritanomaly**  
81112B

# Monochromacy



**Original Color**  
820045

**Achromatopsia**  
2F2F2F

**Achromatomaly**  
4D1E37

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 820045 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 #820045 looks like.

```
.text, #text, p{  
    color:#820045  
}
```

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 #820045 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #820045
}
```

## Border

The CSS property to change the border of an element to Hex 820045 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
#820045 }
```

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

```
.border{ border-color:#820045 }
```

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

Here you see how a box with a 4 pixel #820045 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #820045; -webkit-box-shadow:4px 4px  
4px 4px #820045; box-shadow:4px 4px 4px  
4px #820045 }
```

# Background

The CSS property to change the background color of an element to Hex 820045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#820045 }
```

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

```
.background{ background-color:#820045 }
```

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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