

Converting Colors

Hex(800021)

Have a look what the booklet for
Hex(800021) contains.

Hex(800021)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

Hex(800021)

Conversions

Conversions Part 1

Format	Color
Hex	800021
RGB	128, 0, 33
RGB Percent	50%, 0%, 13%
CMY	0.4980, 1.0000, 0.8706
CMYK	0.00, 1.00, 0.74, 0.50
HSL	345°, 100%, 25%
HSV	345°, 100%, 50%
XYZ	9.1766, 4.6990, 1.8622
YIQ	42.0340, 65.6950, 37.3990

Conversions

Conversions Part 2

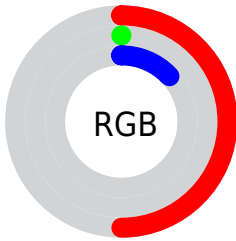
Format	Color
R_{YB}	128, 0, 33
Decimal	8388641
CIE Lab	25.86, 48.95, 20.64
CIE LCh	26, 53.124, 22.866
Yxy	4.6990, 0.5831, 0.2986
Android (android.graphics.Color)	4286578721 (0xFF800021)
YUV	42.0340, -4.4538, 75.3922
Hunter-Lab	21.6772, 37.6294, 10.0807

Details

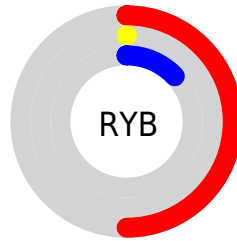
The Hex color **800021** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **00805F**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **BB434D**, and **470000** is the 20% darker color. If you saturate the color by 10%, you get **800021**, and if you desaturate by 10%, it is **800D2B**.

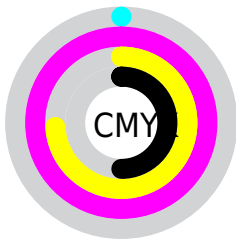
Distribution



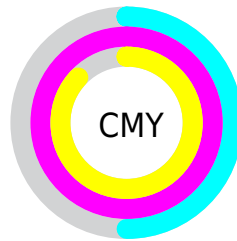
- Red (50%)
- Green (0%)
- Blue (13%)



- Red (50%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (74%)
- Black (50%)



- Cyan (50%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 800021 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 800021 by changing the saturation by 10% instead.

 800021

 800021

FFFFFF

 63000B

 BB434D

 470000

 D95E65

 2B0001

 F8797E

 000000

 FF9498

 FFB0B2

 FFCDCDCE

 FFE9EA

 800021

 800D2B

 801A34

 80263E

 803347

 804051

 804D5A

 805A64

 80666D

 807377

Harmonies

Analogous

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



7E0049



800021



702400

Triad

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



800021



004A03



00468F

Complementary

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



800021



00805F

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.



004C7E



800021



004D32

Square

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



800021



2F4400



004E5C



153789

Rectangle

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



800021



5F3300



004E5C



00488B

Sweetspot

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



800021



A67481



5E0080



54363E



D4D4D4



545454

Same Dimension

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



800021



A6002B



801E00



40393B



000000

Inverse Universe

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



800021



A6002B



006280



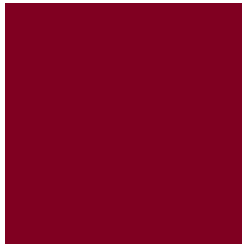
40393B



000000

Previews

White Background



This preview shows how the Hex color 800021 looks on a white background.

Color Contrast Check

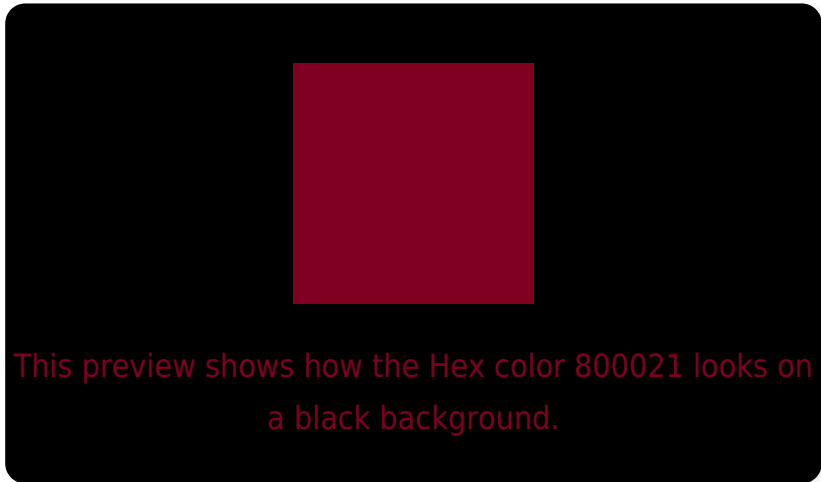
Large Text (above 18pt) WCAG AA ✓ Pass

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

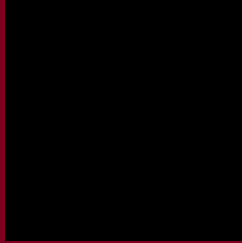
Any Text WCAG AA × Fail

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 800021 Background



This preview shows how black text looks on a background with the Hex color 800021.



This preview shows how white text looks on a background with the Hex color 800021.

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



Original Color
800021

Protanopia
464132

Deuteranopia
513E1A



Tritanopia
800E09

Trichromacy



Original Color
800021

Protanomaly
5B292C

Deuteranomaly
62271D

Tritanomaly
800912

Monochromacy



Original Color
800021

Achromatopsia
2A2A2A

Achromatomaly
491B27

CSS Examples

Text

The CSS property to change the color of the text to Hex 800021 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 #800021 looks like.

```
.text, #text, p{  
    color:#800021  
}
```

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 #800021 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #800021
}
```

Border

The CSS property to change the border of an element to Hex 800021 is called "border". The border property can be set on classes, ids or directly on the HTML element.

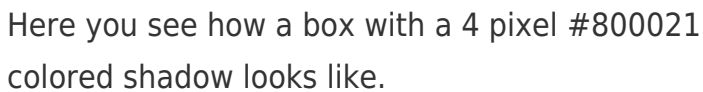
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#800021 }
```

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

```
.border{ border-color:#800021 }
```

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



Here you see how a box with a 4 pixel #800021 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #800021; -webkit-box-shadow:4px 4px  
4px 4px #800021; box-shadow:4px 4px 4px  
4px #800021 }
```

Background

The CSS property to change the background color of an element to Hex 800021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#800021 }
```

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

```
.background{ background-color:#800021 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor