

# Converting Colors

Hex(8A0033)

Have a look what the booklet for  
Hex(8A0033) contains.

<b>Hex(8A0033)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(8A0033)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8A0033
RGB	138, 0, 51
RGB Percent	54%, 0%, 20%
CMY	0.4588, 1.0000, 0.8000
CMYK	0.00, 1.00, 0.63, 0.46
HSL	338°, 100%, 27%
HSV	338°, 100%, 54%
XYZ	11.0788, 5.6423, 3.6371
YIQ	47.0760, 65.8770, 45.1170

# Conversions

## Conversions Part 2

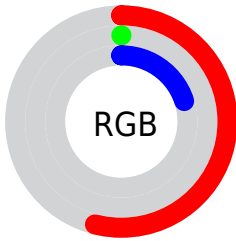
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	138, 0, 51
Decimal	9044019
CIE Lab	28.49, 52.47, 12.30
CIE LCh	28, 53.891, 13.191
Yxy	5.6423, 0.5442, 0.2772
Android (android.graphics.Color)	4287234099 (0xFF8A0033)
YUV	47.0760, 1.9345, 79.7403
Hunter-Lab	23.7535, 41.6848, 7.5490

# Details

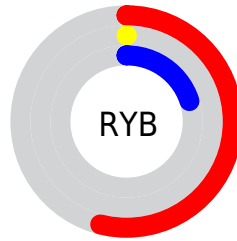
The Hex color **8A0033** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **008A57**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **C54661**, and **510005** is the 20% darker color. If you saturate the color by 10%, you get **8A0033**, and if you desaturate by 10%, it is **8A0E3C**.

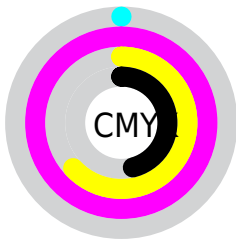
# Distribution



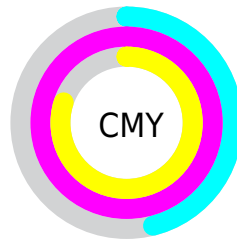
- Red (54%)
- Green (0%)
- Blue (20%)



- Red (54%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (46%)



- Cyan (46%)
- Magenta (100%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8A0033 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 8A0033 by changing the saturation by 10% instead.



 8A0033

 8A0033

FFFFFF

 6D001E

 C54661

 510005

 E3627A

 360002

 FF7D93

 070000

 FF99AE

 000000

 FFB5C9

 FFD1E5

 FFEFFF

 8A0033

 8A0E3C

 8A1C44

 8A294D

 8A3756

 8A455E

 8A5367

 8A6170

 8A6E79

 8A7C81

# Harmonies

## Analogous

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



800D5C



8A0033



7F2109

# Triad

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



8A0033



054F00



004F94

# Complementary

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



8A0033



008A57

# 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.



00547C



8A0033



005329

# Square

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



8A0033



434700



005555



004395

# Rectangle

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



8A0033



703200



005555



00518E



# Sweetspot

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



8A0033



B37D91



55008A



593945



D9D9D9



595959



# Same Dimension

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



8A0033



B30042



8A1000



453E41



850031



050002



# Inverse Universe

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



8A0033



B30042



007A8A



453E41



850031

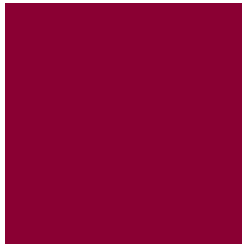


050002



# Previews

## White Background



This preview shows how the Hex color 8A0033 looks on a white background.

## Color Contrast Check

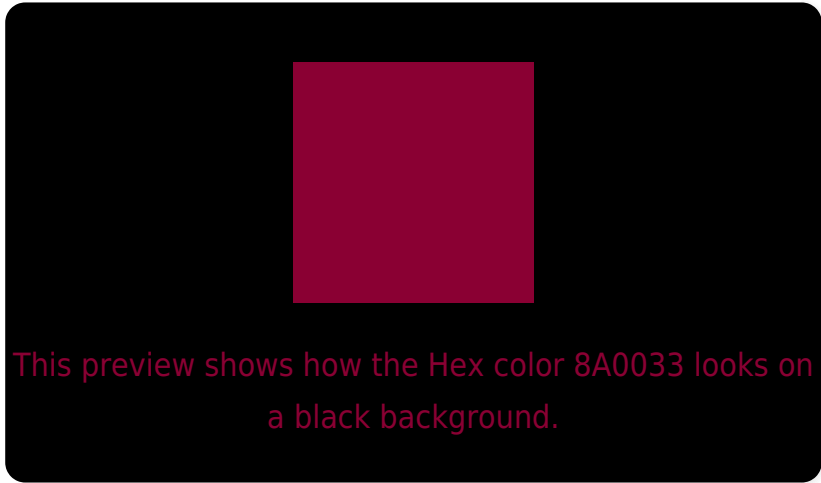
Large Text (above 18pt) WCAG AA ✓ Pass

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 8A0033 Background



This preview shows how black text looks on a background with the Hex color 8A0033.



This preview shows how white text looks on a background with the Hex color 8A0033.

# 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**  
8A0033

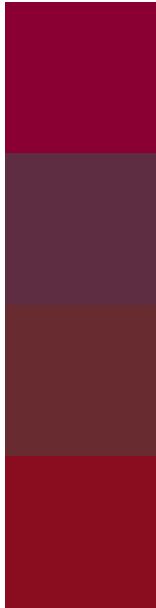
**Protanopia**  
47464B

**Deuteranopia**  
55442D



**Tritanopia**  
891513

# Trichromacy



**Original Color**  
8A0033

**Protanomaly**  
5F2D42

**Deuteranomaly**  
682B2F

**Tritanomaly**  
890D1F

# Monochromacy



**Original Color**  
8A0033

**Achromatopsia**  
2F2F2F

**Achromatomaly**  
501E30

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8A0033 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 #8A0033 looks like.

```
.text, #text, p{  
    color:#8A0033  
}
```

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 #8A0033 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8A0033
}
```

## Border

The CSS property to change the border of an element to Hex 8A0033 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".

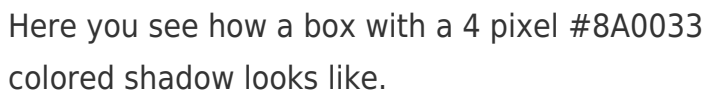
```
.border, #border, table{ border:4px solid
#8A0033 }
```

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

```
.border{ border-color:#8A0033 }
```

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

Here you see how a box with a 4 pixel #8A0033 colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The box is white with a thin dark red border on the top and left sides, and a thicker dark red shadow on the bottom and right sides.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8A0033; -webkit-box-shadow:4px 4px  
4px 4px #8A0033; box-shadow:4px 4px 4px  
4px #8A0033 }
```

# Background

The CSS property to change the background color of an element to Hex 8A0033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8A0033 }
```

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

```
.background{ background-color:#8A0033 }
```

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