

# Converting Colors

Hex(8B0034)

Have a look what the booklet for  
Hex(8B0034) contains.

<b>Hex(8B0034)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(8B0034)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8B0034
RGB	139, 0, 52
RGB Percent	55%, 0%, 20%
CMY	0.4549, 1.0000, 0.7961
CMYK	0.00, 1.00, 0.63, 0.45
HSL	338°, 100%, 27%
HSV	338°, 100%, 55%
XYZ	11.2673, 5.7369, 3.7623
YIQ	47.4890, 66.1520, 45.6400

# Conversions

## Conversions Part 2

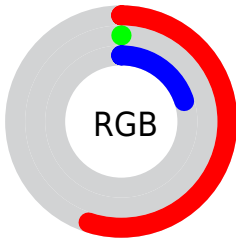
<b>Format</b>	<b>Color</b>
<b>RYB</b>	139, 0, 52
Decimal	9109556
CIELab	28.74, 52.78, 11.99
CIElCh	29, 54.126, 12.802
Yxy	5.7369, 0.5426, 0.2763
Android (android.graphics.Color)	4287299636 (0xFF8B0034)
YUV	47.4890, 2.2239, 80.2551
Hunter-Lab	23.9518, 42.0533, 7.4532

# Details

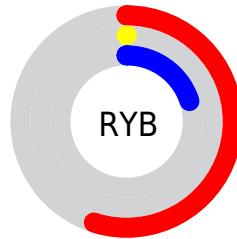
The Hex color **8B0034** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **008B57**, and the grayscale version is **2F2F2F**.

A 20% lighter version of the original color is **C64762**, and **520007** is the 20% darker color. If you saturate the color by 10%, you get **8B0034**, and if you desaturate by 10%, it is **8B0E3D**.

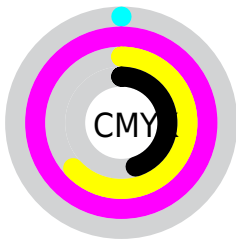
# Distribution



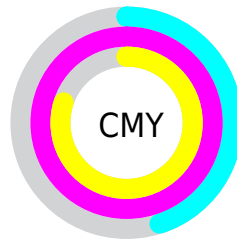
- Red (55%)
- Green (0%)
- Blue (20%)



- Red (55%)
- Yellow (0%)
- Blue (20%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (45%)



- Cyan (45%)
- Magenta (100%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 8B0034 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 8B0034 by changing the saturation by 10% instead.



 8B0034

 8B0034

FFFFFF

 6E001F

 C64762

 520007

 E4627B

 370002

 FF7D95

 0B0000

 FF99AF

 000000

 FFB5CA

 FFD2E7

 FFEFFF

 8B0034

 8B0E3D

 8B1C45

 8B2A4E

 8B3857

 8B4660

 8B5368

 8B6171

 8B6F7A

 8B7D82

# Harmonies

## Analogous

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



800E5E



8B0034



80210A

# Triad

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



8B0034



075000



004F94

# Complementary

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



8B0034



008B57

# 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



8B0034



005429

# Square

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



8B0034



444800



005555



004397

# Rectangle

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



8B0034



713200



005555



00528F



# Sweetspot

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



8B0034



B57F93



56008B



5C3B47



DBDBDB



5C5C5C



# Same Dimension

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



8B0034



B50044



8B1000



453E41



850032



050002



# Inverse Universe

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



8B0034



B50044



007B8B



453E41



850032

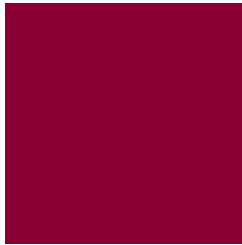


050002



# Previews

## White Background



This preview shows how the Hex color 8B0034 looks on a white background.

## Color Contrast Check

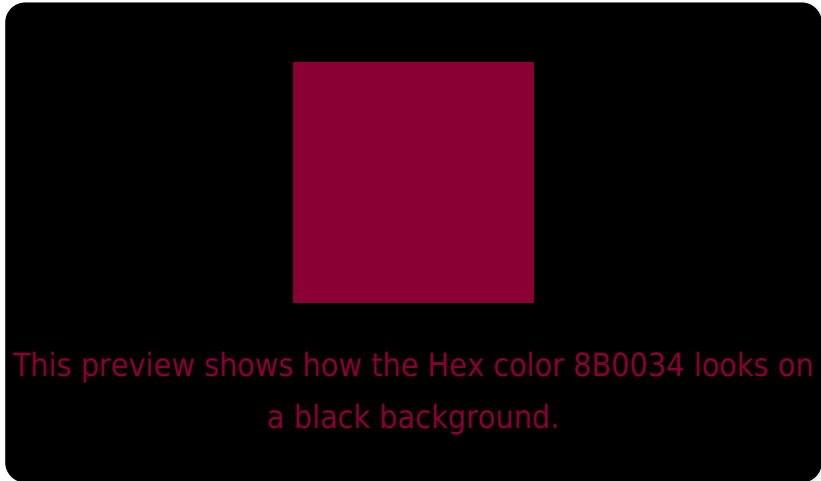
Large Text (above 18pt) WCAG AA ✓ Pass

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 8B0034 Background



This preview shows how black text looks on a background with the Hex color 8B0034.



This preview shows how white text looks on a background with the Hex color 8B0034.

# 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**  
8B0034

**Protanopia**  
47474C

**Deuteranopia**  
56442E



**Tritanopia**  
8A1513

# Trichromacy



**Original Color**  
8B0034

**Protanomaly**  
602D43

**Deuteranomaly**  
692B30

**Tritanomaly**  
8A0D1F

# Monochromacy



**Original Color**  
8B0034

**Achromatopsia**  
2F2F2F

**Achromatomaly**  
501E31

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 8B0034 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 #8B0034 looks like.

```
.text, #text, p{  
    color:#8B0034  
}
```

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 #8B0034 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #8B0034
}
```

## Border

The CSS property to change the border of an element to Hex 8B0034 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".

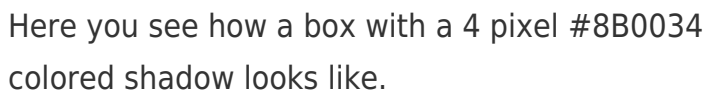
```
.border, #border, table{ border:4px solid
#8B0034 }
```

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

```
.border{ border-color:#8B0034 }
```

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

Here you see how a box with a 4 pixel #8B0034 colored shadow looks like.

A rectangular box with a dark red border and a dark red shadow. The box is white with a dark red border and a dark red shadow. The shadow is a 4-pixel offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #8B0034; -webkit-box-shadow:4px 4px  
4px 4px #8B0034; box-shadow:4px 4px 4px  
4px #8B0034 }
```

# Background

The CSS property to change the background color of an element to Hex 8B0034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#8B0034 }
```

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

```
.background{ background-color:#8B0034 }
```

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