

# Converting Colors

Hex(9B0037)

Have a look what the booklet for  
Hex(9B0037) contains.

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**Color**

**Hex(9B0037)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9B0037
RGB	155, 0, 55
RGB Percent	61%, 0%, 22%
CMY	0.3922, 1.0000, 0.7843
CMYK	0.00, 1.00, 0.65, 0.39
HSL	339°, 100%, 30%
HSV	339°, 100%, 61%
XYZ	14.2072, 7.2444, 4.2639
YIQ	52.6150, 74.7250, 49.9650

# Conversions

## Conversions Part 2

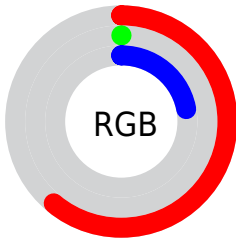
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 0, 55
Decimal	10158135
CIELab	32.36, 56.92, 15.46
CIELCh	32, 58.981, 15.193
Yxy	7.2444, 0.5525, 0.2817
Android (android.graphics.Color)	4288348215 (0xFF9B0037)
YUV	52.6150, 1.1758, 89.7916
Hunter-Lab	26.9154, 47.1183, 9.4481

# Details

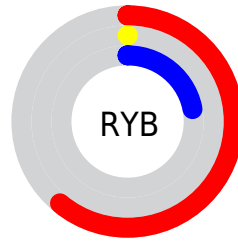
The Hex color **9B0037** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **009B64**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **D84B65**, and **60000C** is the 20% darker color. If you saturate the color by 10%, you get **9B0037**, and if you desaturate by 10%, it is **9B0F41**.

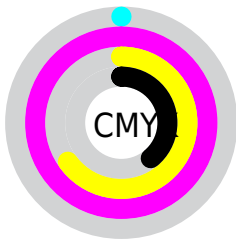
# Distribution



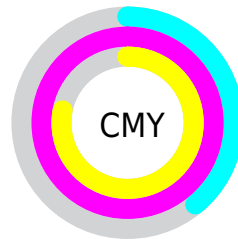
- Red (61%)
- Green (0%)
- Blue (22%)



- Red (61%)
- Yellow (0%)
- Blue (22%)



- Cyan (0%)
- Magenta (100%)
- Yellow (65%)
- Black (39%)



- Cyan (39%)
- Magenta (100%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9B0037 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 9B0037 by changing the saturation by 10% instead.



 9B0037

 9B0037

FFFFFF

 7D0022

 D84B65

 60000C

 F6677E

 440002

 FF8398

 260001

 FF9FB3

 000000

 FFBBCE

 FFD8EA

 FFF5FF

 9B0037

 9B0F41

 9B1F4B

 9B2F55

 9B3E5F

 9B4E69

 9B5D73

 9B6C7D

 9B7C87

 9B8B91

# Harmonies

## Analogous

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



910B65



9B0037



8E2807

# Triad

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



9B0037



005A00



0058A7

# Complementary

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



9B0037



009B64

# 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.



005E8E



9B0037



005E33

# Square

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



9B0037



495100



006063



004AA7

# Rectangle

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



9B0037



7C3A00



006063



005BA1



# Sweetspot

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



9B0037



C98DA2



62009B



66414E



E6E6E6



666666



# Same Dimension

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



9B0037



C90047



9B1500



4D4548



8C0032



0D0005



# Inverse Universe

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



9B0037



C90047



00869B



4D4548



8C0032



0D0005



# Previews

## White Background



This preview shows how the Hex color 9B0037 looks on a white background.

## Color Contrast Check

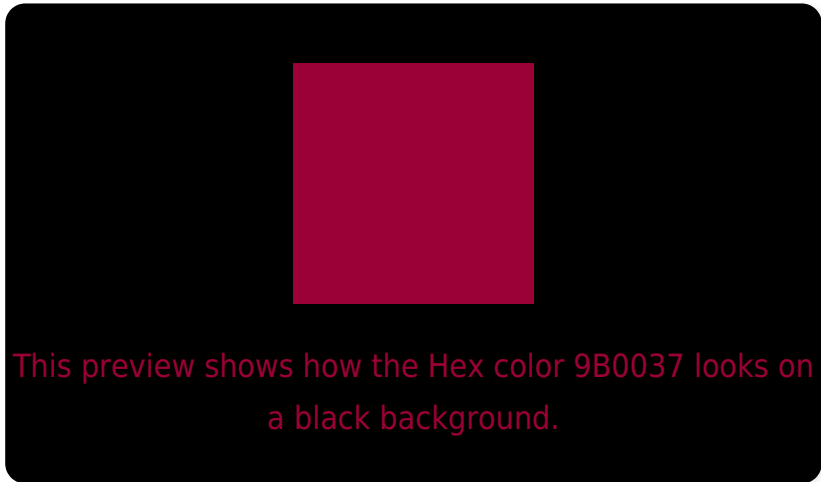
Large Text (above 18pt) WCAG AA ✓ Pass

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 9B0037 Background



This preview shows how black text looks on a background with the Hex color 9B0037.

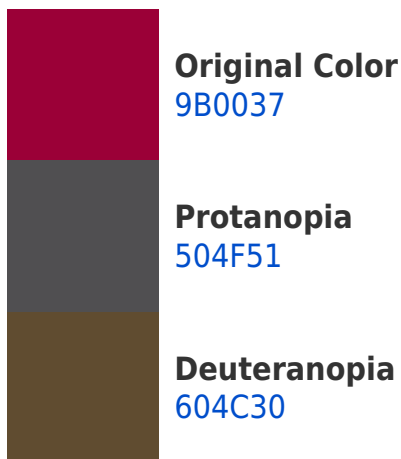



This preview shows how white text looks on a background with the Hex color 9B0037.

# 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**  
9A1614

# Trichromacy



**Original Color**  
9B0037

**Protanomaly**  
6B3248

**Deuteranomaly**  
753033

**Tritanomaly**  
9A0E21

# Monochromacy



**Original Color**  
9B0037

**Achromatopsia**  
353535

**Achromatomaly**  
5A2236

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9B0037 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 #9B0037 looks like.

```
.text, #text, p{  
    color:#9B0037  
}
```

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 #9B0037 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9B0037
}
```

## Border

The CSS property to change the border of an element to Hex 9B0037 is called "border". The border property can be set on classes, ids or directly on the HTML element.

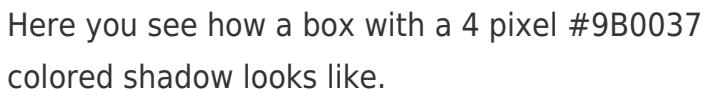
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#9B0037 }
```

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

```
.border{ border-color:#9B0037 }
```

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



Here you see how a box with a 4 pixel #9B0037 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9B0037; -webkit-box-shadow:4px 4px  
4px 4px #9B0037; box-shadow:4px 4px 4px  
4px #9B0037 }
```

# Background

The CSS property to change the background color of an element to Hex 9B0037 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9B0037 }
```

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

```
.background{ background-color:#9B0037 }
```

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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