

# Converting Colors

Hex(9B004A)

Have a look what the booklet for  
Hex(9B004A) contains.

<b>Hex(9B004A)</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(9B004A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9B004A
RGB	155, 0, 74
RGB Percent	61%, 0%, 29%
CMY	0.3922, 1.0000, 0.7098
CMYK	0.00, 1.00, 0.52, 0.39
HSL	331°, 100%, 30%
HSV	331°, 100%, 61%
XYZ	14.7536, 7.4630, 7.1415
YIQ	54.7810, 68.6260, 55.8740

# Conversions

## Conversions Part 2

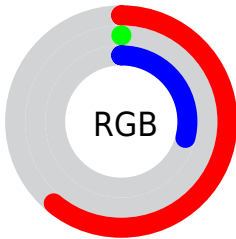
<b>Format</b>	<b>Color</b>
<b>RYB</b>	155, 0, 74
Decimal	10158154
CIELab	32.84, 58.20, 3.55
CIElCh	33, 58.311, 3.488
Yxy	7.4630, 0.5025, 0.2542
Android (android.graphics.Color)	4288348234 (0xFF9B004A)
YUV	54.7810, 9.4750, 87.8921
Hunter-Lab	27.3184, 48.5934, 3.6236

# Details

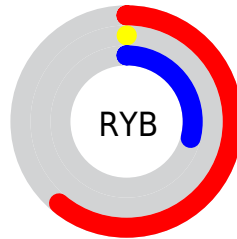
The Hex color **9B004A** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **009B51**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **D74B7A**, and **61001F** is the 20% darker color. If you saturate the color by 10%, you get **9B004A**, and if you desaturate by 10%, it is **9B0F52**.

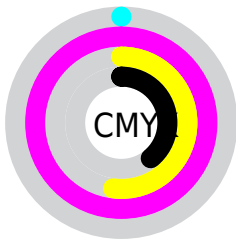
# Distribution



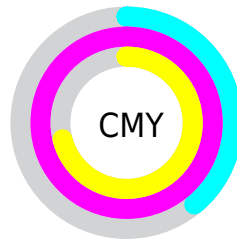
- Red (61%)
- Green (0%)
- Blue (29%)



- Red (61%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (52%)
- Black (39%)



- Cyan (39%)
- Magenta (100%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 9B004A 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 9B004A by changing the saturation by 10% instead.



 9B004A

 9B004A

FFFFFF

 7E0034

 D74B7A

 61001F

 F56894

 460005

 FF84AF

 280001

 FFA0CA

 000000

 FFBCE6

 FFD9FF

 FFF7FF

 9B004A

 9B0F52

 9B1F5A

 9B2F62

 9B3E6A

 9B4E72

 9B5D7B

 9B6C83

 9B7C8B

 9B8B93

# Harmonies

## Analogous

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



871F77



9B004A



961D1D

# Triad

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



9B004A



295800



005CA0

# Complementary

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



9B004A



009B51

# 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.



00607F



9B004A



005E20

# Square

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



9B004A



5B4D00



006052



0052AA

# Rectangle

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



9B004A



883200



006052



005E97



# Sweetspot

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



9B004A



C98DAA



50009B



664153



E6E6E6



666666



# Same Dimension

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



9B004A



C90060



9B0300



4D4549



8C0043



0D0006



# Inverse Universe

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



9B004A



C90060



00989B



4D4549



8C0043



0D0006



# Previews

## White Background



This preview shows how the Hex color 9B004A looks on a white background.

## Color Contrast Check

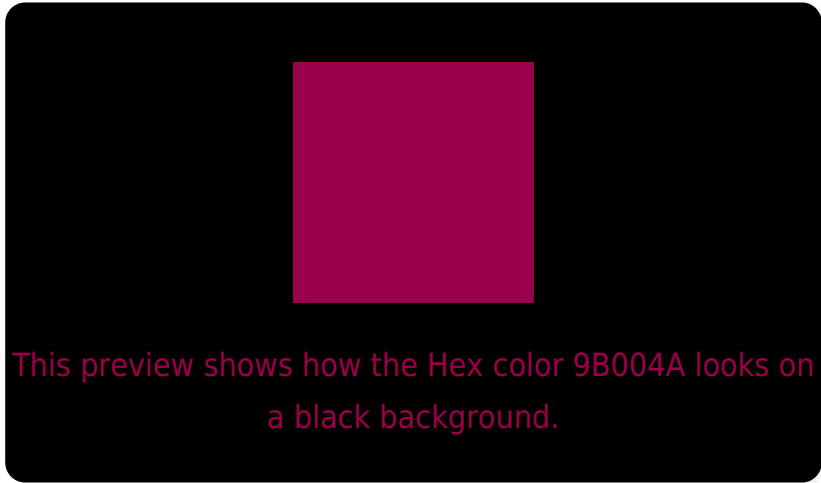
Large Text (above 18pt) WCAG AA ✓ Pass

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 9B004A Background



This preview shows how black text looks on a background with the Hex color 9B004A.

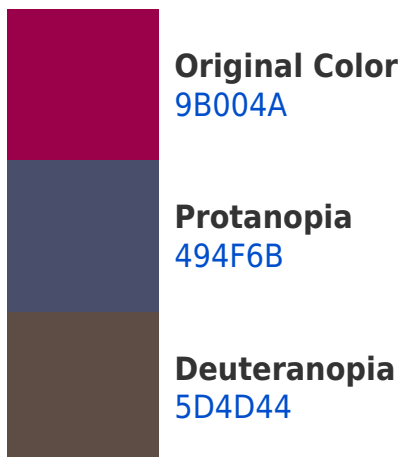


This preview shows how white text looks on a background with the Hex color 9B004A.

# 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**  
991D1D

# Trichromacy



**Original Color**  
9B004A

**Protanomaly**  
67325F

**Deuteranomaly**  
743146

**Tritanomaly**  
9A122D

# Monochromacy



**Original Color**  
9B004A

**Achromatopsia**  
373737

**Achromatomaly**  
5B233E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 9B004A 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 #9B004A looks like.

```
.text, #text, p{  
    color:#9B004A  
}
```

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 #9B004A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #9B004A
}
```

## Border

The CSS property to change the border of an element to Hex 9B004A 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
#9B004A }
```

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

```
.border{ border-color:#9B004A }
```

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

Here you see how a box with a 4 pixel #9B004A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #9B004A; -webkit-box-shadow:4px 4px  
4px 4px #9B004A; box-shadow:4px 4px 4px  
4px #9B004A }
```

# Background

The CSS property to change the background color of an element to Hex 9B004A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#9B004A }
```

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

```
.background{ background-color:#9B004A }
```

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