

# Converting Colors

Hex(90002B)

Have a look what the booklet for  
Hex(90002B) contains.

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**Color**

**Hex(90002B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	90002B
RGB	144, 0, 43
RGB Percent	56%, 0%, 17%
CMY	0.4353, 1.0000, 0.8314
CMYK	0.00, 1.00, 0.70, 0.44
HSL	342°, 100%, 28%
HSV	342°, 100%, 56%
XYZ	11.9376, 6.1037, 2.8344
YIQ	47.9580, 72.0210, 43.9010

# Conversions

## Conversions Part 2

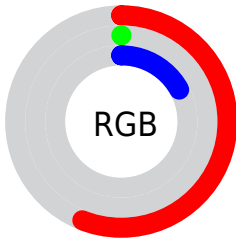
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 0, 43
Decimal	9437227
CIELab	29.67, 53.53, 19.47
CIELCh	30, 56.964, 19.988
Yxy	6.1037, 0.5718, 0.2924
Android (android.graphics.Color)	4287627307 (0xFF90002B)
YUV	47.9580, -2.4443, 84.2288
Hunter-Lab	24.7057, 43.0152, 10.4917

# Details

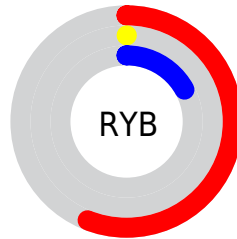
The Hex color **90002B** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **009065**, and the grayscale version is **303030**.

A 20% lighter version of the original color is **CC4858**, and **560000** is the 20% darker color. If you saturate the color by 10%, you get **90002B**, and if you desaturate by 10%, it is **900E35**.

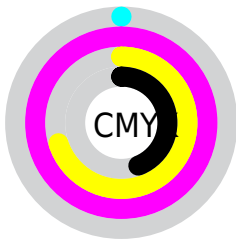
# Distribution



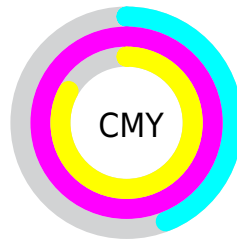
- Red (56%)
- Green (0%)
- Blue (17%)



- Red (56%)
- Yellow (0%)
- Blue (17%)



- Cyan (0%)
- Magenta (100%)
- Yellow (70%)
- Black (44%)



- Cyan (44%)
- Magenta (100%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 90002B 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 90002B by changing the saturation by 10% instead.



 90002B

 90002B

FFFFFF

 720017

 CC4858

 560000

 EB6370

 3B0002

 FF7F8A

 140000

 FF9AA4

 000000

 FFB7BF

 FFD3DB

 FFF0F7

 90002B

 900E35

 901D3F

 902B49

 903A53

 90485E

 905668

 906572

 90737C

 908286

# Harmonies

## Analogous

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



8B0057



90002B



802800

# Triad

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



90002B



005400



00509E

# Complementary

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



90002B



009065

# 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.



00578A



90002B



005735

# Square

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



90002B



3B4D00



005863



00419A

# Rectangle

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



90002B



6E3800



005863



00539A



# Sweetspot

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



90002B



BA8293



650090



5E3C47



DEDEDE



5E5E5E



# Same Dimension

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



90002B



BA0038



901D00



474042



870028



080002



# Inverse Universe

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



90002B



BA0038



007390



474042



870028

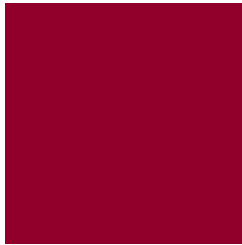


080002



# Previews

## White Background



This preview shows how the Hex color 90002B looks on a white background.

## Color Contrast Check

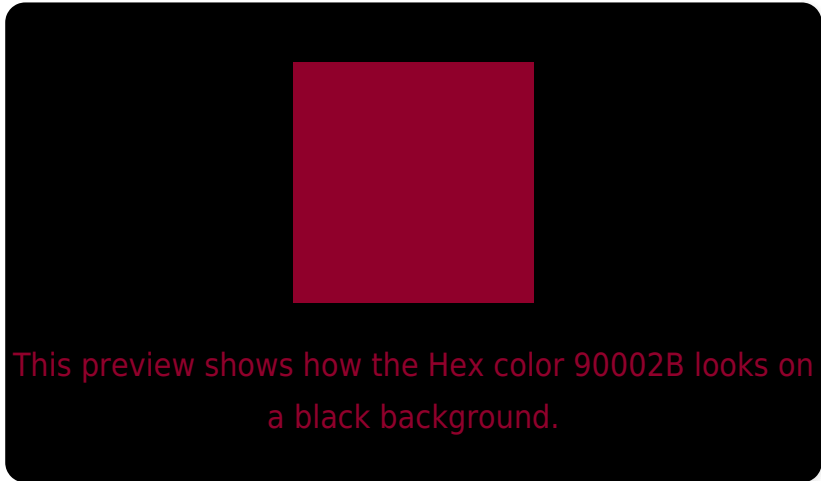
Large Text (above 18pt) WCAG AA ✓ Pass

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

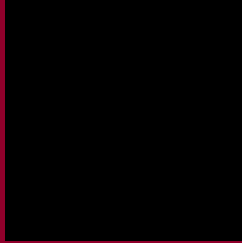
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 90002B Background



This preview shows how black text looks on a background with the Hex color 90002B.



This preview shows how white text looks on a background with the Hex color 90002B.

# 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**  
90002B

**Protanopia**  
4D4940

**Deuteranopia**  
5A4624



**Tritanopia**  
8F120E

# Trichromacy



**Original Color**  
90002B

**Protanomaly**  
652E38

**Deuteranomaly**  
6E2D27

**Tritanomaly**  
8F0B19

# Monochromacy



**Original Color**  
90002B

**Achromatopsia**  
303030

**Achromatomaly**  
531F2E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 90002B 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 #90002B looks like.

```
.text, #text, p{  
    color:#90002B  
}
```

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 #90002B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #90002B
}
```

## Border

The CSS property to change the border of an element to Hex 90002B is called "border". The border property can be set on classes, ids or directly on the HTML element.

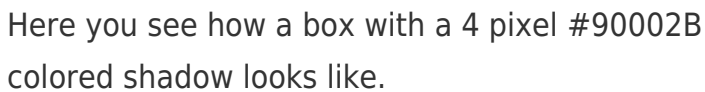
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#90002B }
```

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

```
.border{ border-color:#90002B }
```

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



Here you see how a box with a 4 pixel #90002B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #90002B; -webkit-box-shadow:4px 4px  
4px 4px #90002B; box-shadow:4px 4px 4px  
4px #90002B }
```

# Background

The CSS property to change the background color of an element to Hex 90002B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#90002B }
```

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

```
.background{ background-color:#90002B }
```

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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