

# Converting Colors

Hex(47009B)

Have a look what the booklet for  
Hex(47009B) contains.

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**Color**

**Hex(47009B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	47009B
RGB	71, 0, 155
RGB Percent	28%, 0%, 61%
CMY	0.7216, 1.0000, 0.3922
CMYK	0.54, 1.00, 0.00, 0.39
HSL	267°, 100%, 30%
HSV	267°, 100%, 61%
XYZ	8.5149, 3.7062, 31.2769
YIQ	38.8990, -7.4390, 63.2570

# Conversions

## Conversions Part 2

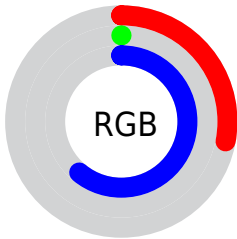
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	<b>71, 0, 155</b>
Decimal	4653211
CIE Lab	22.68, 57.02, -65.28
CIE LCh	23, 86.679, 311.137
Yxy	3.7062, 0.1958, 0.0852
Android (android.graphics.Color)	4282843291 (0xFF47009B)
YUV	38.8990, 57.2378, 28.1526
Hunter-Lab	19.2514, 45.2611, -82.8501

# Details

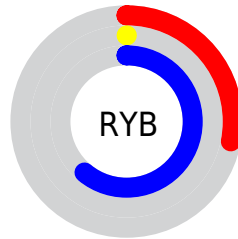
The Hex color **47009B** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **549B00**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **823FD3**, and **000066** is the 20% darker color. If you saturate the color by 10%, you get **47009B**, and if you desaturate by 10%, it is **4F0F9B**.

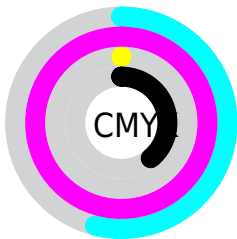
# Distribution



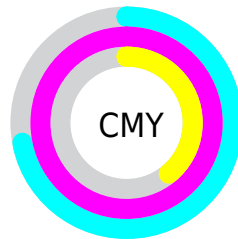
- Red (28%)
- Green (0%)
- Blue (61%)



- Red (28%)
- Yellow (0%)
- Blue (61%)



- Cyan (54%)
- Magenta (100%)
- Yellow (0%)
- Black (39%)



- Cyan (72%)
- Magenta (100%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 47009B 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 47009B by changing the saturation by 10% instead.



 47009B

 47009B

FFFFFF

 260080

 823FD3

 000066

 9F59F0

 00004D

 BC74FF

 000535

 D98EFF

 00021F

 F7AAFF

 000002

 FFC6FF

 000000

 FFE3FF

 47009B

 4F0F9B

 581F9B

 602F9B

 693E9B

 714E9B

 795D9B

 826C9B

 8A7C9B

 938B9B

# Harmonies

## Analogous

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



003BBB



47009B



8D0062

# Triad

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



47009B



632100



004B4E

# Complementary

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



47009B



549B00

# 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.



004903



47009B



2D3C00

# Square

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



47009B



890000



004500



004C8D

# Rectangle

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



47009B



9A0037



004500



004A37



# Sweetspot

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



47009B



A98DC9



00559B



524166



E6E6E6



666666



# Same Dimension

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



47009B



5C00C9



93009B



48454D



40008C



06000D



# Inverse Universe

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



9B0054



C9006D



089B00



4D4549



8C004C

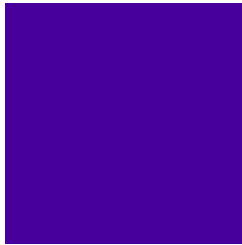


0D0007



# Previews

## White Background



This preview shows how the Hex color 47009B looks on a white background.

## Color Contrast Check

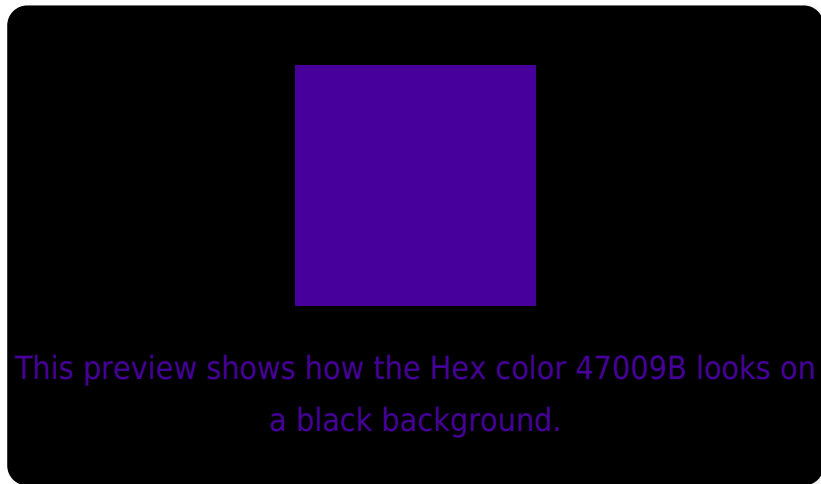
Large Text (above 18pt) WCAG AA ✓ Pass

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

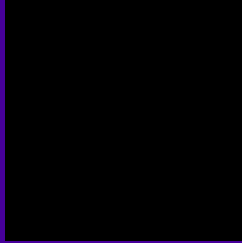
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 47009B Background



This preview shows how black text looks on a background with the Hex color 47009B.



This preview shows how white text looks on a background with the Hex color 47009B.

# 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**  
47009B

**Protanopia**  
003774

**Deuteranopia**  
003B63



**Tritanopia**  
293C41

# Trichromacy



**Original Color**  
47009B

**Protanomaly**  
1A2382

**Deuteranomaly**  
1A2677

**Tritanomaly**  
342662

# Monochromacy



**Original Color**  
47009B

**Achromatopsia**  
272727

**Achromatomaly**  
331951

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 47009B 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 #47009B looks like.

```
.text, #text, p{  
    color:#47009B  
}
```

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 #47009B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #47009B  
}
```

## Border

The CSS property to change the border of an element to Hex 47009B is called "border". The border property can be set on classes, ids or directly on the HTML element.

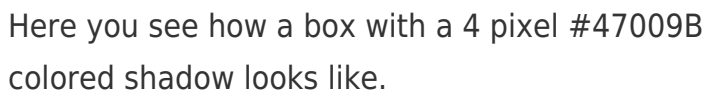
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#47009B }
```

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

```
.border{ border-color:#47009B }
```

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



Here you see how a box with a 4 pixel #47009B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #47009B; -webkit-box-shadow:4px 4px  
4px 4px #47009B; box-shadow:4px 4px 4px  
4px #47009B }
```

# Background

The CSS property to change the background color of an element to Hex 47009B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#47009B }
```

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

```
.background{ background-color:#47009B }
```

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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