

Converting Colors

Hex(00009F)

Have a look what the booklet for
Hex(00009F) contains.

Hex(00009F)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(00009F)

Conversions

Conversions Part 1

Format	Color
Hex	00009F
RGB	0, 0, 159
RGB Percent	0%, 0%, 62%
CMY	1.0000, 1.0000, 0.3765
CMYK	1.00, 1.00, 0.00, 0.38
HSL	240°, 100%, 31%
HSV	240°, 100%, 62%
XYZ	6.2580, 2.5032, 32.9542
YIQ	18.1260, -51.0390, 49.4490

Conversions

Conversions Part 2

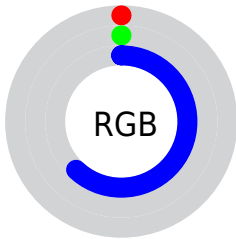
Format	Color
RYB	0, 0, 159
Decimal	159
CIELab	17.93, 55.64, -75.78
CIELCh	18, 94.007, 306.287
Yxy	2.5032, 0.1500, 0.0600
Android (android.graphics.Color)	4278190239 (0xFF00009F)
YUV	18.1260, 69.4509, -15.8965
Hunter-Lab	15.8215, 42.9159, -112.4185

Details

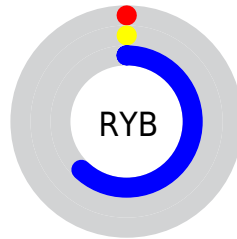
The Hex color **00009F** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **9F9F00**, and the grayscale version is **111111**.

A 20% lighter version of the original color is **5D38D7**, and **00006A** is the 20% darker color. If you saturate the color by 10%, you get **00009F**, and if you desaturate by 10%, it is **10109F**.

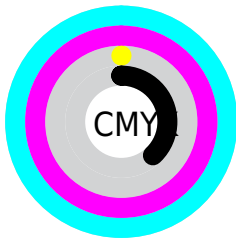
Distribution



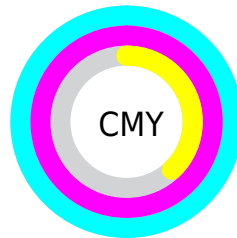
- Red (0%)
- Green (0%)
- Blue (62%)



- Red (0%)
- Yellow (0%)
- Blue (62%)



- Cyan (100%)
- Magenta (100%)
- Yellow (0%)
- Black (38%)




- Cyan (100%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00009F 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 00009F by changing the saturation by 10% instead.

 00009F

 00009F

 FFF5FF

 000084

 5D38D7

 00006A

 7C51F4

 000850

 9A6BFF

 000538

 B985FF

 000222

 D7A0FF

 000008

 F5BCFF

 000000

 FFD8FF

 00009F

■ 10109F

■ 20209F

■ 30309F

■ 40409F

■ 50509F

■ 5F5F9F

■ 6F6F9F

■ 7F7F9F

■ 8F8F9F

Harmonies

Analogous

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



0037BC



00009F



7E0064

Triad

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



00009F



5F0300



003E3A

Complementary

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



00009F



9F9F00

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.



003D00



00009F



2A2F00

Square

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



00009F



840000



003A00



00427E

Rectangle

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



00009F



910038



003A00



003E22

Sweetspot

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



00009F



9191CF



009F9F



434369



E8E8E8



696969

Same Dimension

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



00009F



0000CF



50009F



47474F



00008F



00000F

Inverse Universe

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



9F009F



CF00CF



509F00



4F474F



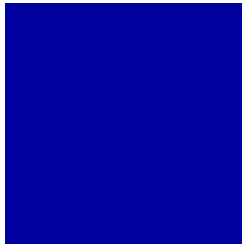
8F008F



0F000F

Previews

White Background



This preview shows how the Hex color 00009F looks on a white background.

Color Contrast Check

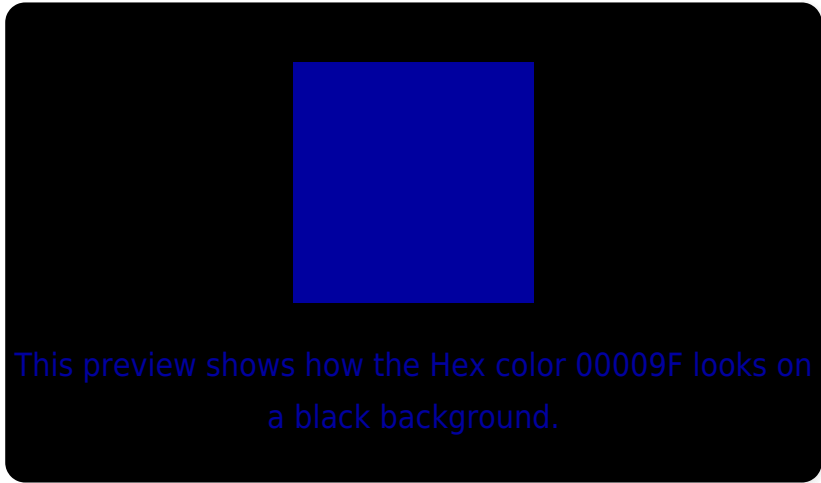
Large Text (above 18pt) WCAG AA ✓ Pass

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

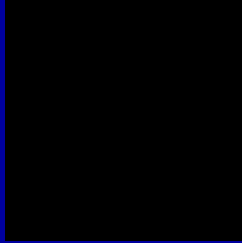
Any Text WCAG AA × Fail

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 00009F Background



This preview shows how black text looks on a background with the Hex color 00009F.



This preview shows how white text looks on a background with the Hex color 00009F.

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
00009F

Protanopia
002E61

Deuteranopia
003252

Trichromacy



Original Color
00009F

Protanomaly
001D78

Deuteranomaly
00206E

Tritanomaly
00225D

Monochromacy



Original Color
00009F

Achromatopsia
121212

Achromatomaly
0B0B45

CSS Examples

Text

The CSS property to change the color of the text to Hex 00009F 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 #00009F looks like.

```
.text, #text, p{  
    color:#00009F  
}
```

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 #00009F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00009F
}
```

Border

The CSS property to change the border of an element to Hex 00009F is called "border". The border property can be set on classes, ids or directly on the HTML element.

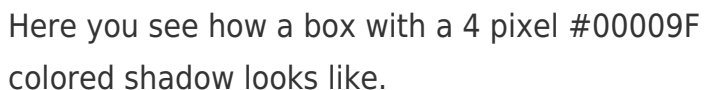
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#00009F }
```

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

```
.border{ border-color:#00009F }
```

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



Here you see how a box with a 4 pixel #00009F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00009F; -webkit-box-shadow:4px 4px  
4px 4px #00009F; box-shadow:4px 4px 4px  
4px #00009F }
```

Background

The CSS property to change the background color of an element to Hex 00009F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00009F }
```

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

```
.background{ background-color:#00009F }
```

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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