

# Converting Colors

Hex(2D0099)

Have a look what the booklet for  
Hex(2D0099) contains.

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# Color

**Hex(2D0099)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 2D0099                     |
| RGB         | 45, 0, 153                 |
| RGB Percent | 18%, 0%, 60%               |
| CMY         | 0.8235, 1.0000, 0.4000     |
| CMYK        | 0.71, 1.00, 0.00, 0.40     |
| HSL         | 258°, 100%, 30%            |
| HSV         | 258°, 100%, 60%            |
| XYZ         | 6.8320, 2.8578, 30.3285    |
| YIQ         | 30.8970, -22.2930, 57.1230 |

# Conversions

## Conversions Part 2

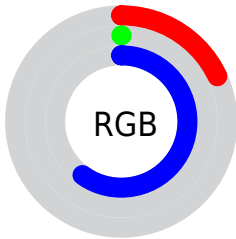
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 45, 0, 153                    |
| Decimal                             | 2949273                       |
| CIELab                              | 19.47, 55.03, -69.47          |
| CIELCh                              | 19, 88.621, 308.383           |
| Yxy                                 | 2.8578, 0.1707,<br>0.0714     |
| Android<br>(android.graphics.Color) | 4281139353<br>(0xFF2D0099)    |
| YUV                                 | 30.8970, 60.1968,<br>12.3683  |
| Hunter-Lab                          | 16.9050, 42.5548,<br>-94.5360 |

# Details

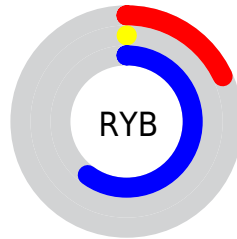
The Hex color **2D0099** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **6C9900**, and the grayscale version is **1E1E1E**.

A 20% lighter version of the original color is **6D3BD1**, and **000064** is the 20% darker color. If you saturate the color by 10%, you get **2D0099**, and if you desaturate by 10%, it is **380F99**.

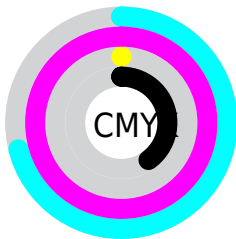
# Distribution



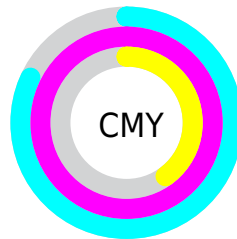
- Red (18%)
- Green (0%)
- Blue (60%)



- Red (18%)
- Yellow (0%)
- Blue (60%)



- Cyan (71%)
- Magenta (100%)
- Yellow (0%)
- Black (40%)



- Cyan (82%)
- Magenta (100%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D0099 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 2D0099 by changing the saturation by 10% instead.



 2D0099

 2D0099

 FFF9FF

 00007E

 6D3BD1

 000064

 8B54EE

 00024B

 A86EFF

 000433

 C689FF

 00021D

 E4A4FF

 000000

 FFC0FF

 FFDCFF

 2D0099

■ 380F99

■ 431F99

■ 4D2E99

■ 583D99

■ 634D99

■ 6E5C99

■ 796B99

■ 837A99

■ 8E8A99

# Harmonies

## Analogous

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



0037B6



2D0099



810061

# Triad

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



2D0099



5F1300



004341

# Complementary

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



2D0099



6C9900

# 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.



004100



2D0099



2A3300

# Square

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



2D0099



830000



003D00



004581

# Rectangle

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



2D0099



920036



003D00



00422A



# Sweetspot

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



2D0099



9D8BC7



006E99



4A4063



E3E3E3



636363



# Same Dimension

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



2D0099



3A00C7



780099



47454D



29008C



04000D



# Inverse Universe

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



99006C



C7008C



219900



4D454A



8C0063

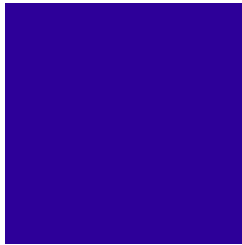


0D0009



# Previews

## White Background



This preview shows how the Hex color 2D0099 looks on a white background.

## Color Contrast Check

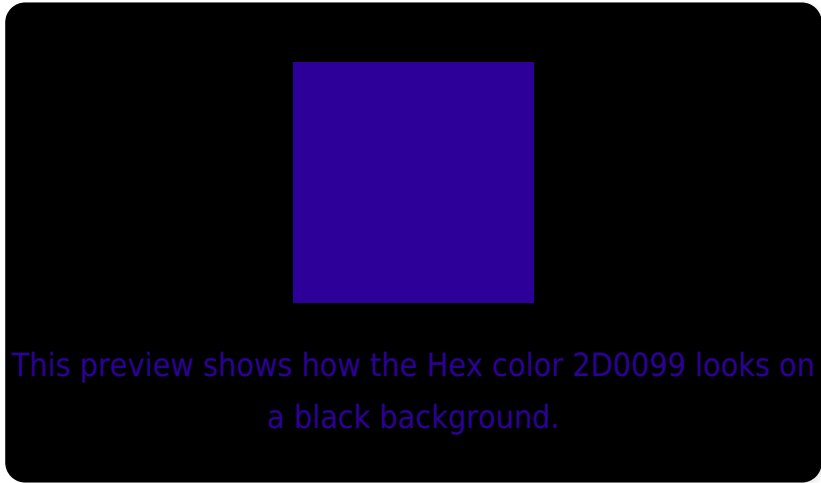
Large Text (above 18pt) WCAG AA ✓ Pass

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

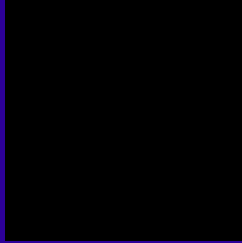
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D0099 Background



This preview shows how black text looks on a background with the Hex color 2D0099.



This preview shows how white text looks on a background with the Hex color 2D0099.

# 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**  
2D0099

**Protanopia**  
003166

**Deuteranopia**  
003457



**Tritanopia**  
00383B

# Trichromacy



**Original Color**  
2D0099

**Protanomaly**  
101F79

**Deuteranomaly**  
10216F

**Tritanomaly**  
10245D

# Monochromacy



**Original Color**  
2D0099

**Achromatopsia**  
1F1F1F

**Achromatomaly**  
24144B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D0099 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 #2D0099 looks like.

```
.text, #text, p{  
    color:#2D0099  
}
```

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 #2D0099 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D0099
}
```

## Border

The CSS property to change the border of an element to Hex 2D0099 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".

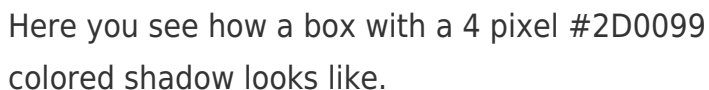
```
.border, #border, table{ border:4px solid
#2D0099 }
```

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

```
.border{ border-color:#2D0099 }
```

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

Here you see how a box with a 4 pixel #2D0099 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D0099; -webkit-box-shadow:4px 4px  
4px 4px #2D0099; box-shadow:4px 4px 4px  
4px #2D0099 }
```

# Background

The CSS property to change the background color of an element to Hex 2D0099 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D0099 }
```

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

```
.background{ background-color:#2D0099 }
```

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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