

Converting Colors

Hex(2D009E)

Have a look what the booklet for
Hex(2D009E) contains.

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Color

Hex(2D009E)

Conversions

Conversions Part 1

Format	Color
Hex	2D009E
RGB	45, 0, 158
RGB Percent	18%, 0%, 62%
CMY	0.8235, 1.0000, 0.3804
CMYK	0.72, 1.00, 0.00, 0.38
HSL	257°, 100%, 31%
HSV	257°, 100%, 62%
XYZ	7.2537, 3.0265, 32.5496
YIQ	31.4670, -23.8980, 58.6780

Conversions

Conversions Part 2

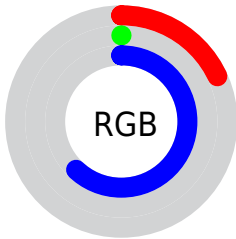
Format	Color
RYB	45, 0, 158
Decimal	2949278
CIELab	20.15, 56.27, -71.40
CIELCh	20, 90.908, 308.240
Yxy	3.0265, 0.1694, 0.0707
Android (android.graphics.Color)	4281139358 (0xFF2D009E)
YUV	31.4670, 62.3808, 11.8684
Hunter-Lab	17.3969, 43.9823, -98.7540

Details

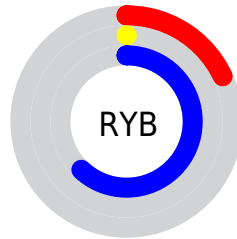
The Hex color **2D009E** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **719E00**, and the grayscale version is **1F1F1F**.

A 20% lighter version of the original color is **6E3BD6**, and **000069** is the 20% darker color. If you saturate the color by 10%, you get **2D009E**, and if you desaturate by 10%, it is **38109E**.

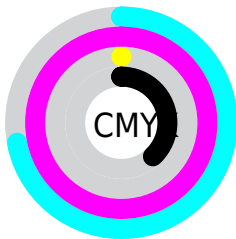
Distribution



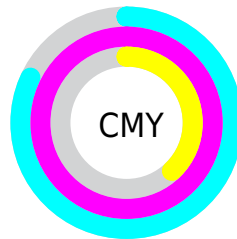
- Red (18%)
- Green (0%)
- Blue (62%)



- Red (18%)
- Yellow (0%)
- Blue (62%)



- Cyan (72%)
- Magenta (100%)
- Yellow (0%)
- Black (38%)



- Cyan (82%)
- Magenta (100%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D009E 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 2D009E by changing the saturation by 10% instead.

 2D009E

 2D009E

 FFFAFF

 000083

 6E3BD6

 000069

 8C55F3

 000050

 AA6FFF

 000538

 C88AFF

 000221

 E6A5FF

 000007

 FFC1FF

 000000

 FFDDFF

 2D009E

■ 38109E

■ 44209E

■ 4F2F9E

■ 5A3F9E

■ 654F9E

■ 715F9E

■ 7C6F9E

■ 877E9E

■ 938E9E

Harmonies

Analogous

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



0039BC



2D009E



850064

Triad

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



2D009E



621300



004543

Complementary

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



2D009E



719E00

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.



004300



2D009E



2C3500

Square

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



2D009E



870000



003F00



004785

Rectangle

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



2D009E



960038



003F00



00442B

Sweetspot

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



2D009E



A291CF



00719E



4E4369



E8E8E8



696969

Same Dimension

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



2D009E



3B00CF



7C009E



49474F



29008F



04000F

Inverse Universe

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



9E0071



CF0094



229E00



4F474D



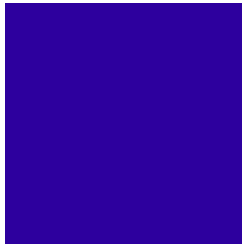
8F0066



0F000B

Previews

White Background



This preview shows how the Hex color 2D009E looks on a white background.

Color Contrast Check

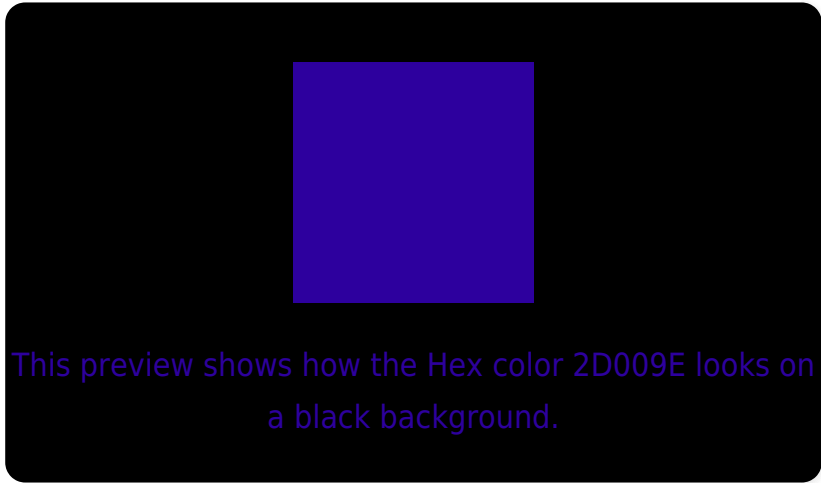
Large Text (above 18pt) WCAG AA ✓ Pass

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

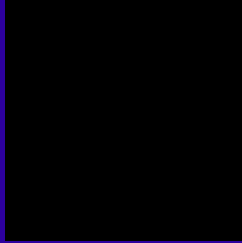
Any Text WCAG AA × Fail

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 2D009E Background



This preview shows how black text looks on a background with the Hex color 2D009E.



This preview shows how white text looks on a background with the Hex color 2D009E.

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
2D009E

Protanopia
003269

Deuteranopia
003559



Tritanopia
003A3D

Trichromacy



Original Color
2D009E

Protanomaly
10207C

Deuteranomaly
102272

Tritanomaly
102560

Monochromacy



Original Color
2D009E

Achromatopsia
1F1F1F

Achromatomaly
24144D

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D009E 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 #2D009E looks like.

```
.text, #text, p{  
    color:#2D009E  
}
```

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 #2D009E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D009E
}
```

Border

The CSS property to change the border of an element to Hex 2D009E 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".

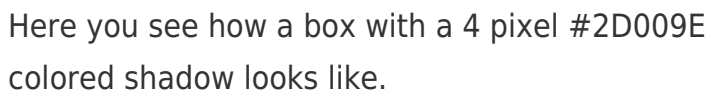
```
.border, #border, table{ border:4px solid
#2D009E }
```

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

```
.border{ border-color:#2D009E }
```

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

Here you see how a box with a 4 pixel #2D009E colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D009E; -webkit-box-shadow:4px 4px  
4px 4px #2D009E; box-shadow:4px 4px 4px  
4px #2D009E }
```

Background

The CSS property to change the background color of an element to Hex 2D009E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D009E }
```

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

```
.background{ background-color:#2D009E }
```

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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