

# Converting Colors

Hex(2D008D)

Have a look what the booklet for  
Hex(2D008D) contains.

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# Color

**Hex(2D008D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D008D
RGB	45, 0, 141
RGB Percent	18%, 0%, 55%
CMY	0.8235, 1.0000, 0.4471
CMYK	0.68, 1.00, 0.00, 0.45
HSL	259°, 100%, 28%
HSV	259°, 100%, 55%
XYZ	5.8899, 2.4810, 25.3677
YIQ	29.5290, -18.4410, 53.3910

# Conversions

## Conversions Part 2

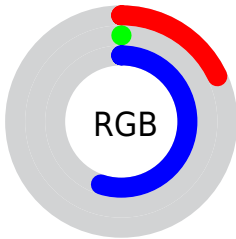
Format	Color
<a href="#">RYB</a>	<a href="#">45, 0, 141</a>
Decimal	<a href="#">2949261</a>
CIELab	<a href="#">17.83, 52.03, -64.73</a>
CIELCh	<a href="#">18, 83.053, 308.792</a>
Yxy	<a href="#">2.4810, 0.1746, 0.0735</a>
Android (android.graphics.Color)	<a href="#">4281139341 (0xFF2D008D)</a>
YUV	<a href="#">29.5290, 54.9552, 13.5681</a>
Hunter-Lab	<a href="#">15.7511, 39.1831, -84.4629</a>

# Details

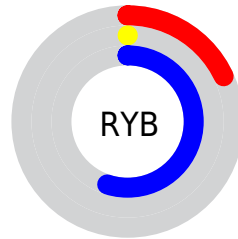
The Hex color **2D008D** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **608D00**, and the grayscale version is **1D1D1D**.

A 20% lighter version of the original color is **6B39C4**, and **000059** is the 20% darker color. If you saturate the color by 10%, you get **2D008D**, and if you desaturate by 10%, it is **370E8D**.

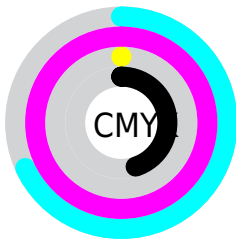
# Distribution



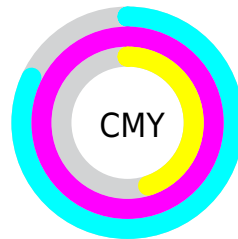
- Red (18%)
- Green (0%)
- Blue (55%)



- Red (18%)
- Yellow (0%)
- Blue (55%)



- Cyan (68%)
- Magenta (100%)
- Yellow (0%)
- Black (45%)



- Cyan (82%)
- Magenta (100%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D008D 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 2D008D by changing the saturation by 10% instead.



 2D008D

 2D008D

 FFF6FF

 000073

 6B39C4

 000059

 8852E0

 000741

 A56CFE

 00032A

 C286FF

 000114

 DFA1FF

 000000

 FEBDFF

 FFD9FF

 2D008D

 370E8D

 401C8D

 4A2A8D

 53388D

 5D478D

 67558D

 70638D

 7A718D

 837F8D

# Harmonies

## Analogous

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



0033A9



2D008D



780059

# Triad

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



2D008D



571300



003E3D

# Complementary

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



2D008D



608D00

# 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



2D008D



273000

# Square

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



2D008D



790000



003900



004078

# Rectangle

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



2D008D



870031



003900



003E28



# Sweetspot

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



2D008D



9281B8



00608D



453B5C



DBDBDB



5C5C5C



# Same Dimension

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



2D008D



3B00B8



73008D



434047



2B0087



020008



# Inverse Universe

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



8D0060



B8007D



1A8D00



474045



87005C

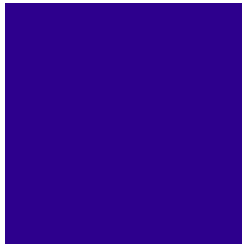


080005



# Previews

## White Background



This preview shows how the Hex color 2D008D looks on a white background.

## Color Contrast Check

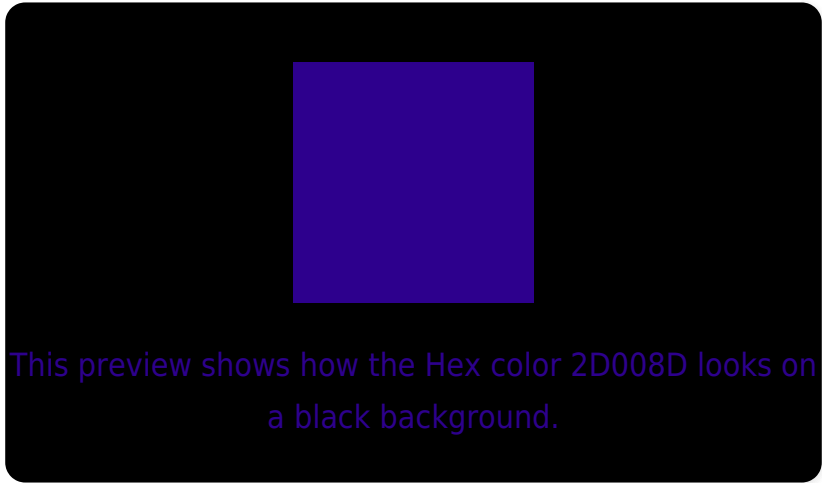
Large Text (above 18pt) WCAG AA ✓ Pass

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

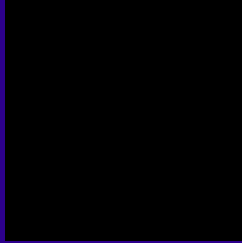
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D008D Background



This preview shows how black text looks on a background with the Hex color 2D008D.



This preview shows how white text looks on a background with the Hex color 2D008D.

# 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**  
2D008D

**Protanopia**  
002E60

**Deuteranopia**  
003151



# Trichromacy



**Original Color**  
2D008D

**Protanomaly**  
101D70

**Deuteranomaly**  
101F67

**Tritanomaly**  
102157

# Monochromacy



**Original Color**  
2D008D

**Achromatopsia**  
1E1E1E

**Achromatomaly**  
231346

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D008D 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 #2D008D looks like.

```
.text, #text, p{  
    color:#2D008D  
}
```

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 #2D008D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D008D
}
```

## Border

The CSS property to change the border of an element to Hex 2D008D is called "border". The border property can be set on classes, ids or directly on the HTML element.

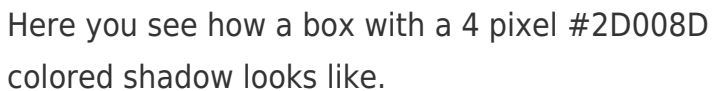
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#2D008D }
```

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

```
.border{ border-color:#2D008D }
```

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



Here you see how a box with a 4 pixel #2D008D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D008D; -webkit-box-shadow:4px 4px  
4px 4px #2D008D; box-shadow:4px 4px 4px  
4px #2D008D }
```

# Background

The CSS property to change the background color of an element to Hex 2D008D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D008D }
```

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

```
.background{ background-color:#2D008D }
```

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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