

# Converting Colors

Hex(2D00DA)

Have a look what the booklet for  
Hex(2D00DA) contains.

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# Color

**Hex(2D00DA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2D00DA
RGB	45, 0, 218
RGB Percent	18%, 0%, 85%
CMY	0.8235, 1.0000, 0.1451
CMYK	0.79, 1.00, 0.00, 0.15
HSL	252°, 100%, 43%
HSV	252°, 100%, 85%
XYZ	13.7371, 5.6198, 66.6904
YIQ	38.3070, -43.1580, 77.3380

# Conversions

## Conversions Part 2

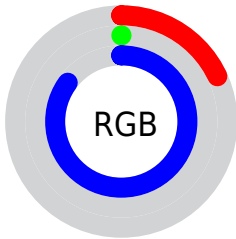
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	45, 0, 218
Decimal	2949338
CIE <sub>Lab</sub>	28.43, 70.88, -93.24
CIE <sub>LCh</sub>	28, 117.122, 307.240
Yxy	5.6198, 0.1596, 0.0653
Android (android.graphics.Color)	4281139418 (0xFF2D00DA)
YUV	38.3070, 88.5886, 5.8698
Hunter-Lab	23.7062, 61.9498, -150.2005

# Details

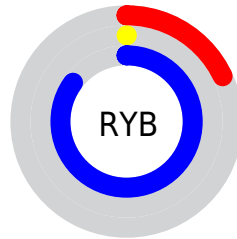
The Hex color **2D00DA** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **ADDA00**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **7C44FF**, and **0000A1** is the 20% darker color. If you saturate the color by 10%, you get **2D00DA**, and if you desaturate by 10%, it is **3E16DA**.

# Distribution



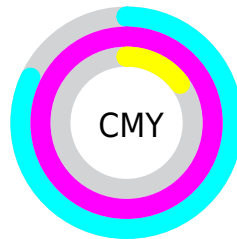
- Red (18%)
- Green (0%)
- Blue (85%)



- Red (18%)
- Yellow (0%)
- Blue (85%)



- Cyan (79%)
- Magenta (100%)
- Yellow (0%)
- Black (15%)



- Cyan (82%)
- Magenta (100%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2D00DA 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 2D00DA by changing the saturation by 10% instead.



■ 2D00DA

■ 2D00DA

FFFFFF

■ 0000BD

■ 7C44FF

■ 0000A1

■ 9D5FFF

■ 000086

■ BD7AFF

■ 00036B

■ DD95FF

■ 000B52

■ FDB1FF

■ 00053A

■ FFCEFF

■ 000223

■ FFE8FF

■ 00000B

■ 000000

 2D00DA

 3E16DA

 502CDA

 6141DA

 7257DA

 846DDA

 9583DA

 A699DA

 B7AEDA

 C9C4DA

# Harmonies

## Analogous

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



0050FF



2D00DA



B3008C

# Triad

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



2D00DA



871500



005C58

# Complementary

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



2D00DA



ADDA00

# 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.



005A00



2D00DA



3F4800

# Square

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



2D00DA



B90000



005600



0060B3

# Rectangle

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



2D00DA



CB0050



005600



005C38



# Sweetspot

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



2D00DA



C2B3FF



00AEDA



5B5280



000000



808080



# Same Dimension

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



2D00DA



3500FF



9900DA



65636E



2400AD



09002E



# Inverse Universe

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



DA00AD



FF00CA



41DA00



6E636B



AD008A

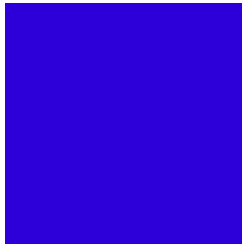


2E0024



# Previews

## White Background



This preview shows how the Hex color 2D00DA looks on a white background.

## Color Contrast Check

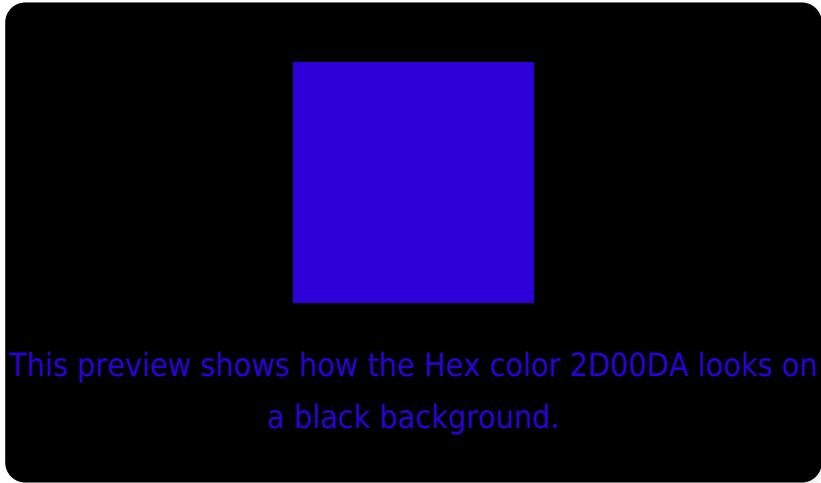
Large Text (above 18pt) WCAG AA ✓ Pass

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

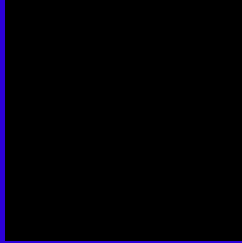
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 2D00DA Background



This preview shows how black text looks on a background with the Hex color 2D00DA.



This preview shows how white text looks on a background with the Hex color 2D00DA.

# 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**  
2D00DA

**Protanopia**  
00428B

**Deuteranopia**  
004776



# Trichromacy



**Original Color**  
2D00DA

**Protanomaly**  
102AA8

**Deuteranomaly**  
102D9A

**Tritanomaly**  
103082

# Monochromacy



**Original Color**  
2D00DA

**Achromatopsia**  
262626

**Achromatomaly**  
291867

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2D00DA 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 #2D00DA looks like.

```
.text, #text, p{  
    color:#2D00DA  
}
```

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 #2D00DA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D00DA
}
```

## Border

The CSS property to change the border of an element to Hex 2D00DA 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
#2D00DA }
```

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

```
.border{ border-color:#2D00DA }
```

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

Here you see how a box with a 4 pixel #2D00DA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D00DA; -webkit-box-shadow:4px 4px  
4px 4px #2D00DA; box-shadow:4px 4px 4px  
4px #2D00DA }
```

# Background

The CSS property to change the background color of an element to Hex 2D00DA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D00DA }
```

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

```
.background{ background-color:#2D00DA }
```

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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