

Converting Colors

Hex(2D00B7)

Have a look what the booklet for
Hex(2D00B7) contains.

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Color

Hex(2D00B7)

Conversions

Conversions Part 1

Format	Color
Hex	2D00B7
RGB	45, 0, 183
RGB Percent	18%, 0%, 72%
CMY	0.8235, 1.0000, 0.2824
CMYK	0.75, 1.00, 0.00, 0.28
HSL	255°, 100%, 36%
HSV	255°, 100%, 72%
XYZ	9.6294, 3.9768, 45.0598
YIQ	34.3170, -31.9230, 66.4530

Conversions

Conversions Part 2

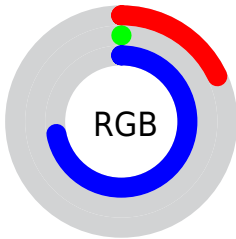
Format	Color
R_{YB}	45, 0, 183
Decimal	2949303
CIE _{Lab}	23.59, 62.42, -80.77
CIE _{LCh}	24, 102.085, 307.697
Yxy	3.9768, 0.1641, 0.0678
Android (android.graphics.Color)	4281139383 (0xFF2D00B7)
YUV	34.3170, 73.3007, 9.3690
Hunter-Lab	19.9419, 51.2949, -120.0098

Details

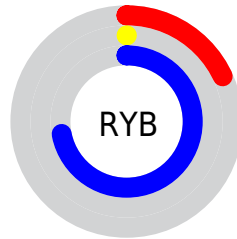
The Hex color **2D00B7** is a dark color, and the websafe version is hex **3300CC**. A complement of this color would be **8AB700**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **743FF0**, and **000080** is the 20% darker color. If you saturate the color by 10%, you get **2D00B7**, and if you desaturate by 10%, it is **3B12B7**.

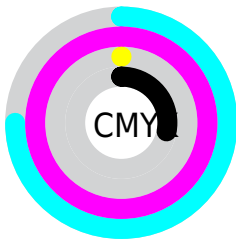
Distribution



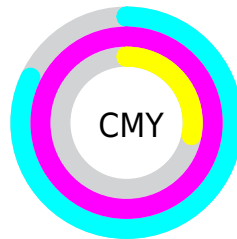
- Red (18%)
- Green (0%)
- Blue (72%)



- Red (18%)
- Yellow (0%)
- Blue (72%)



- Cyan (75%)
- Magenta (100%)
- Yellow (0%)
- Black (28%)



- Cyan (82%)
- Magenta (100%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Hex color 2D00B7 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 2D00B7 by changing the saturation by 10% instead.

 2D00B7

 2D00B7

FFFFFF

 00009B

 743FF0

 000080

 9359FF

 000066

 B274FF

 000A4D

 D08FFF

 000535

 EFAAFF

 00021F

 FFC6FF

 000002

 FFE3FF

 000000

 2D00B7

 3B12B7

 4925B7

 5637B7

 6449B7

 725CB7

 806EB7

 8E80B7

 9B92B7

 A9A5B7

Harmonies

Analogous

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



0043D9



2D00B7



980074

Triad

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



2D00B7



711400



004F4B

Complementary

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



2D00B7



8AB700

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.



004C00



2D00B7



343D00

Square

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



2D00B7



9C0000



004800



005198

Rectangle

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



2D00B7



AC0042



004800



004E30

Sweetspot

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



2D00B7



B7A6ED



008CB7



574D78



F7F7F7



787878

Same Dimension

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



2D00B7



3A00ED



8600B7



55535C



26009C



07001C

Inverse Universe

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



B7008A



ED00B3



31B700



5C535A



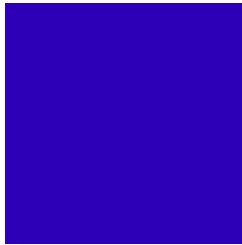
9C0075



1C0015

Previews

White Background



This preview shows how the Hex color 2D00B7 looks on a white background.

Color Contrast Check

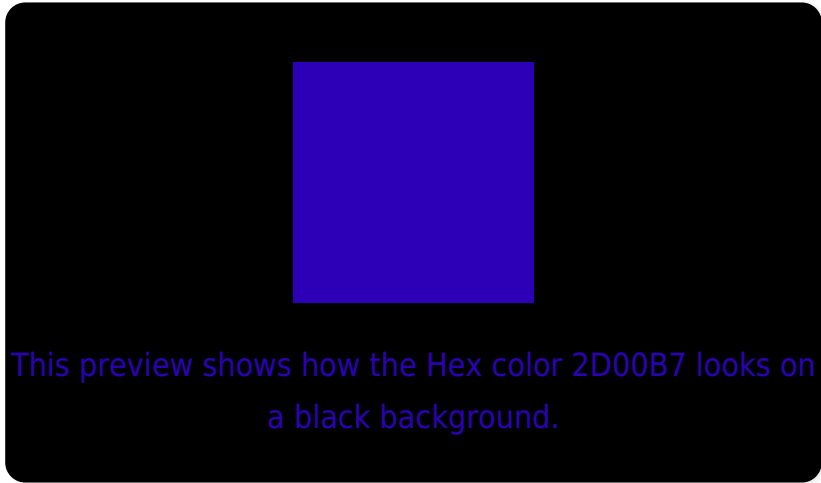
Large Text (above 18pt) WCAG AA ✓ Pass

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

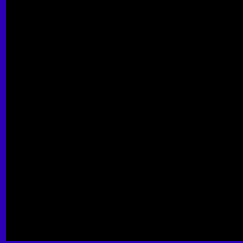
Any Text WCAG AA × Fail

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 2D00B7 Background



This preview shows how black text looks on a background with the Hex color 2D00B7.

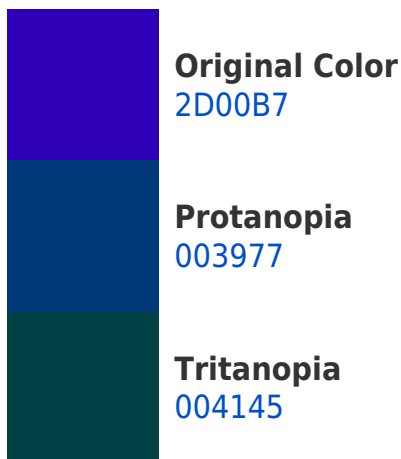


This preview shows how white text looks on a background with the Hex color 2D00B7.

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



Trichromacy



Original Color
2D00B7

Protanomaly
10248E

Tritanomaly
10296E

Monochromacy



Original Color
2D00B7

Achromatopsia
222222

Achromatomaly
261658

CSS Examples

Text

The CSS property to change the color of the text to Hex 2D00B7 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 #2D00B7 looks like.

```
.text, #text, p{  
    color:#2D00B7  
}
```

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 #2D00B7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2D00B7
}
```

Border

The CSS property to change the border of an element to Hex 2D00B7 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
#2D00B7 }
```

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

```
.border{ border-color:#2D00B7 }
```

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

Here you see how a box with a 4 pixel #2D00B7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2D00B7; -webkit-box-shadow:4px 4px  
4px 4px #2D00B7; box-shadow:4px 4px 4px  
4px #2D00B7 }
```

Background

The CSS property to change the background color of an element to Hex 2D00B7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2D00B7 }
```

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

```
.background{ background-color:#2D00B7 }
```

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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