

# Converting Colors

Hex(DB00DB)

Have a look what the booklet for  
Hex(DB00DB) contains.

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**Color**

**Hex(DB00DB)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | DB00DB                     |
| RGB         | 219, 0, 219                |
| RGB Percent | 86%, 0%, 86%               |
| CMY         | 0.1412, 1.0000, 0.1412     |
| CMYK        | 0.00, 1.00, 0.00, 0.14     |
| HSL         | 300°, 100%, 43%            |
| HSV         | 300°, 100%, 86%            |
| XYZ         | 41.9996, 20.1745, 68.6983  |
| YIQ         | 90.4470, 60.2250, 114.5370 |

# Conversions

## Conversions Part 2

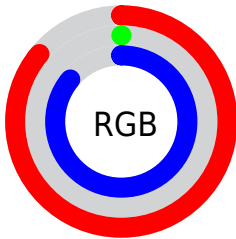
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 219, 0, 219                   |
| Decimal                             | 14352603                      |
| CIE <sub>Lab</sub>                  | 52.03, 87.59, -54.24          |
| CIE <sub>LCh</sub>                  | 52, 103.020, 328.233          |
| Yxy                                 | 20.1745, 0.3209,<br>0.1542    |
| Android<br>(android.graphics.Color) | 4292542683<br>(0xFFDB00DB)    |
| YUV                                 | 90.4470, 63.3766,<br>112.7410 |
| Hunter-Lab                          | 44.9161, 88.3065,<br>-59.2417 |

# Details

The Hex color **DB00DB** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **00DB00**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **FF61FF**, and **9F00A3** is the 20% darker color. If you saturate the color by 10%, you get **DB00DB**, and if you desaturate by 10%, it is **DB16DB**.

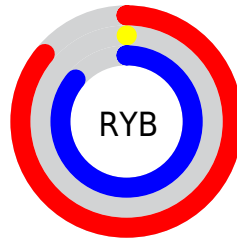
# Distribution



Red (86%)

Green (0%)

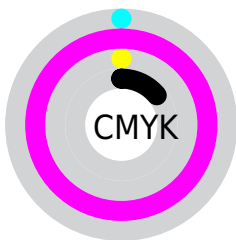
Blue (86%)



Red (86%)

Yellow (0%)

Blue (86%)

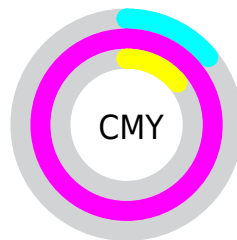


Cyan (0%)

Magenta (100%)

Yellow (0%)

Black (14%)



Cyan (14%)

Magenta (100%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DB00DB 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 DB00DB by changing the saturation by 10% instead.



 DB00DB

 DB00DB

FFFFFF

 BD00BF

 FF61FF

 9F00A3

 FF80FF

 810088

 FF9FFF

 64006E

 FFBDFD

 480055

 FFDCFF

 2A003D

 FFFAFF

 000026

 00010E

 000000

 DB00DB

 DB16DB

 DB2CDB

 DB42DB

 DB58DB

 DB6EDB

 DB83DB

 DB99DB

 DBAFDB

 DBC5DB

# Harmonies

## Analogous

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



4867FF



DB00DB



FF0086

# Triad

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



DB00DB



9C7800



009ECF

# Complementary

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



DB00DB



00DB00

# 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.



009D74



DB00DB



3F8E00

# Square

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



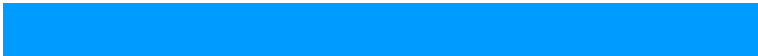
DB00DB



DD4A00



009800



009BFF

# Rectangle

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



DB00DB



FF004C



009800



009EB2



# Sweetspot

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



DB00DB



FFB3FF



0000DB



805280



000000



808080



# Same Dimension

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



DB00DB



FF00FF



DB006E



6E636E



AD00AD



2E002E



# Inverse Universe

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



DB00DB



FF00FF



00DB6E



6E636E



AD00AD



2E002E



# Previews

## White Background



This preview shows how the Hex color DB00DB looks on a white background.

## Color Contrast Check

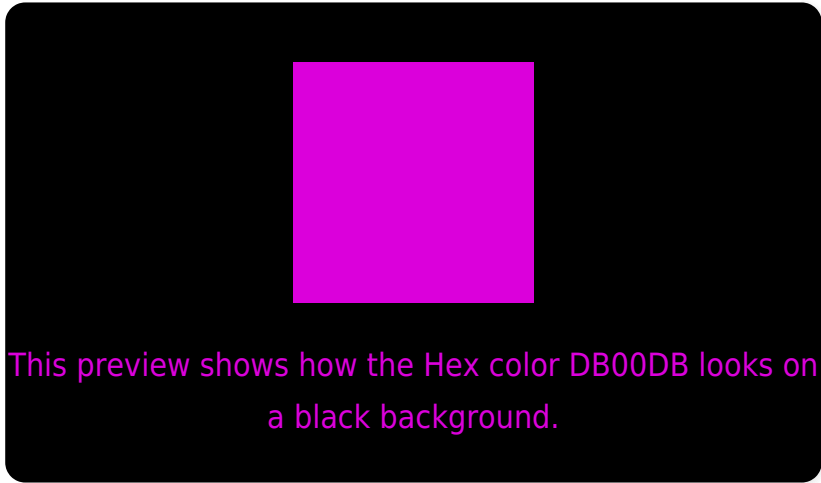
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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 × Fail

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



## Hex DB00DB Background



This preview shows how black text looks on a background with the Hex color DB00DB.

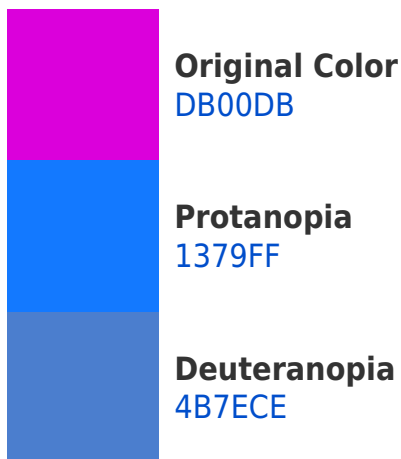


This preview shows how white text looks on a background with the Hex color DB00DB.

# 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**  
DB00DB



**Protanomaly**  
5C4DF2



**Deuteranomaly**  
7F50D3



**Tritanomaly**  
D2378A

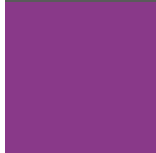
# Monochromacy



**Original Color**  
DB00DB



**Achromatopsia**  
5A5A5A



**Achromatomaly**  
893989

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DB00DB 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 #DB00DB looks like.

```
.text, #text, p{  
    color:#DB00DB  
}
```

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 #DB00DB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DB00DB } }
```

## Border

The CSS property to change the border of an element to Hex DB00DB 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 #DB00DB } }
```

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

```
.border{ border-color:#DB00DB }
```

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

Here you see how a box with a 4 pixel #DB00DB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DB00DB; -webkit-box-shadow:4px 4px  
4px 4px #DB00DB; box-shadow:4px 4px 4px  
4px #DB00DB }
```

# Background

The CSS property to change the background color of an element to Hex DB00DB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DB00DB }
```

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

```
.background{ background-color:#DB00DB }
```

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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