

# Converting Colors

Hex(DD00FF)

Have a look what the booklet for  
Hex(DD00FF) contains.

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# Color

Hex(DD00FF)

# Conversions

## Conversions Part 1

Format	Color
Hex	DD00FF
RGB	221, 0, 255
RGB Percent	87%, 0%, 100%
CMY	0.1333, 1.0000, 0.0000
CMYK	0.13, 1.00, 0.00, 0.00
HSL	292°, 100%, 50%
HSV	292°, 100%, 100%
XYZ	47.8688, 22.5922, 96.4455
YIQ	95.1490, 49.8610, 126.1570

# Conversions

## Conversions Part 2

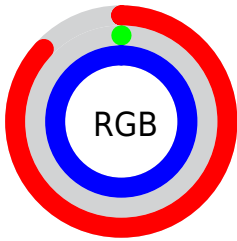
Format	Color
R <sub>Y</sub> B	221, 0, 255
Decimal	14483711
CIE Lab	54.65, 93.28, -70.27
CIE LCh	55, 116.787, 323.012
Yxy	22.5922, 0.2868, 0.1354
Android (android.graphics.Color)	4292673791 (0xFFDD00FF)
YUV	95.1490, 78.8065, 110.3713
Hunter-Lab	47.5312, 96.5882, -87.0334

# Details

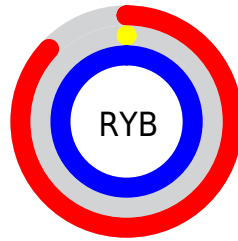
The Hex color **DD00FF** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **22FF00**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **FF63FF**, and **A000C5** is the 20% darker color. If you saturate the color by 10%, you get **DD00FF**, and if you desaturate by 10%, it is **E019FF**.

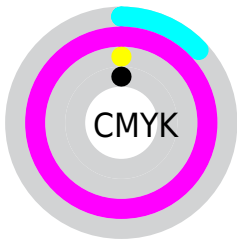
# Distribution



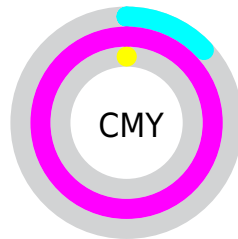
- Red (87%)
- Green (0%)
- Blue (100%)



- Red (87%)
- Yellow (0%)
- Blue (100%)



- Cyan (13%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (100%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DD00FF 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 DD00FF by changing the saturation by 10% instead.



 DD00FF

 DD00FF

FFFFFF

 BE00E2

 FF63FF

 A000C5

 FF83FF

 8200A9

 FFA2FF

 64008E

 FFC1FF

 460073

 FFE0FF

 26005A

FFFEFF

 000041

 00032A

 000114

 DD00FF

 E019FF

 E433FF

 E74DFF

 EB66FF

 EE80FF

 F199FF

 F5B3FF

 F8CCFF

 FCE6FF

# Harmonies

## Analogous

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



0074FF



DD00FF



FF009F

# Triad

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



DD00FF



B37700



00A8D0

# Complementary

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



DD00FF



22FF00

# 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.



00A667



DD00FF



509400

# Square

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



DD00FF



F93500



00A100



00A7FF

# Rectangle

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



DD00FF



FF005D



00A100



00A8AE



# Sweetspot

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



DD00FF



F5B3FF



0022FF



795280



000000



808080



# Same Dimension

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



DD00FF



FF00A1



7E7380



A600BF



370040

# Inverse Universe

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



FF0022



00FF5E



807374



BF0019



400008

# Previews

## White Background



This preview shows how the Hex color DD00FF looks on a white background.

## Color Contrast Check

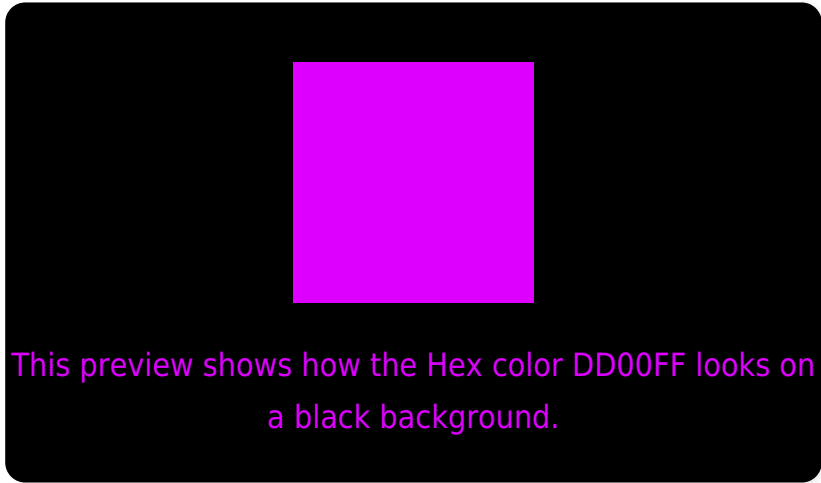
Large Text (above 18pt) WCAG AA ✓ Pass

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 DD00FF Background



This preview shows how black text looks on a background with the Hex color DD00FF.



This preview shows how white text looks on a background with the Hex color DD00FF.

# 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**  
DD00FF

**Protanopia**  
3580FF

**Deuteranopia**  
0086EE





**Tritanopia**  
CA646B

# Trichromacy



**Original Color**  
DD00FF



**Protanomaly**  
7251FF



**Deuteranomaly**  
5055F4

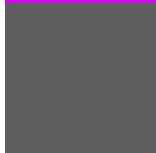


**Tritanomaly**  
D140A1

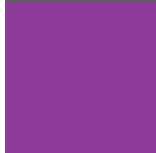
# Monochromacy



**Original Color**  
DD00FF



**Achromatopsia**  
5F5F5F



**Achromatomaly**  
8D3C99

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DD00FF 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 #DD00FF looks like.

```
.text, #text, p{  
    color:#DD00FF  
}
```

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 #DD00FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DD00FF
}
```

## Border

The CSS property to change the border of an element to Hex DD00FF 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
#DD00FF }
```

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

```
.border{ border-color:#DD00FF }
```

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

Here you see how a box with a 4 pixel #DD00FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DD00FF; -webkit-box-shadow:4px 4px  
4px 4px #DD00FF; box-shadow:4px 4px 4px  
4px #DD00FF }
```

# Background

The CSS property to change the background color of an element to Hex DD00FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DD00FF }
```

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

```
.background{ background-color:#DD00FF }
```

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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