

# Converting Colors

Hex(CD00FF)

Have a look what the booklet for  
Hex(CD00FF) contains.

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# **Color**

**Hex(CD00FF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CD00FF
RGB	205, 0, 255
RGB Percent	80%, 0%, 100%
CMY	0.1961, 1.0000, 0.0000
CMYK	0.20, 1.00, 0.00, 0.00
HSL	288°, 100%, 50%
HSV	288°, 100%, 100%
XYZ	43.2268, 20.1991, 96.2283
YIQ	90.3650, 40.3250, 122.7650

# Conversions

## Conversions Part 2

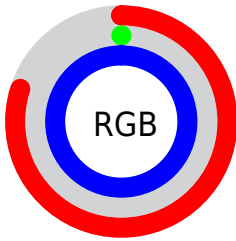
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	205, 0, 255
Decimal	13435135
CIE Lab	52.06, 91.14, -74.58
CIE LCh	52, 117.768, 320.706
Yxy	20.1991, 0.2708, 0.1265
Android (android.graphics.Color)	4291625215 (0xFFCD00FF)
YUV	90.3650, 81.1651, 100.5349
Hunter-Lab	44.9434, 93.0312, -95.4852

# Details

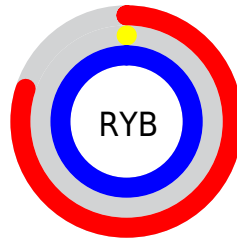
The Hex color **CD00FF** is a light color, and the websafe version is hex **CC00FF**. The color can be described as light saturated magenta. A complement of this color would be **32FF00**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **FF60FF**, and **9000C5** is the 20% darker color. If you saturate the color by 10%, you get **CD00FF**, and if you desaturate by 10%, it is **D219FF**.

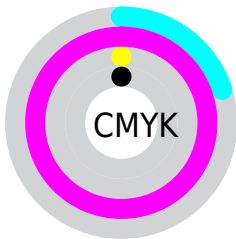
# Distribution



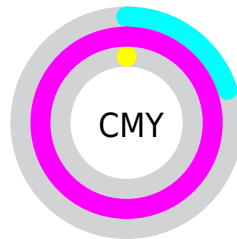
- Red (80%)
- Green (0%)
- Blue (100%)



- Red (80%)
- Yellow (0%)
- Blue (100%)



- Cyan (20%)
- Magenta (100%)
- Yellow (0%)
- Black (0%)



- Cyan (20%)
- Magenta (100%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CD00FF 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 CD00FF by changing the saturation by 10% instead.



 CD00FF

 CD00FF

FFFFFF

 AF00E2

 FF60FF

 9000C5

 FF80FF

 7200A9

 FF9EFF

 53008E

 FFBDFD

 350073

 FFDBFF

 070059

 FFFAFF

 000041

 000329

 000114

 CD00FF

 D219FF

 D733FF

 DC4DFF

 E166FF

 E680FF

 EB99FF

 F0B3FF

 F5CCFF

 FAE6FF

# Harmonies

## Analogous

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



0072FF



CD00FF



FF00A0

# Triad

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



CD00FF



B16D00



00A1C2

# Complementary

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



CD00FF



32FF00

# 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.



009E58



CD00FF



518C00

# Square

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



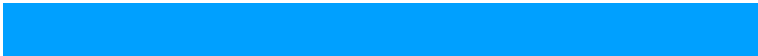
CD00FF



F51C00



009900



00A0FF

# Rectangle

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



CD00FF



FF005E



009900



00A0A0



# Sweetspot

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



CD00FF



F0B3FF



0033FF



775280



000000



808080



# Same Dimension

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



CD00FF



FF00B3



7D7380



9A00BF



330040

# Inverse Universe

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



FF0032



00FF4D



807375



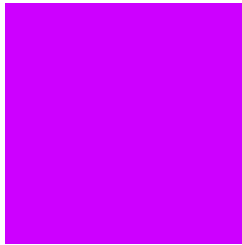
BF0025



40000C

# Previews

## White Background



This preview shows how the Hex color CD00FF looks on a white background.

## Color Contrast Check

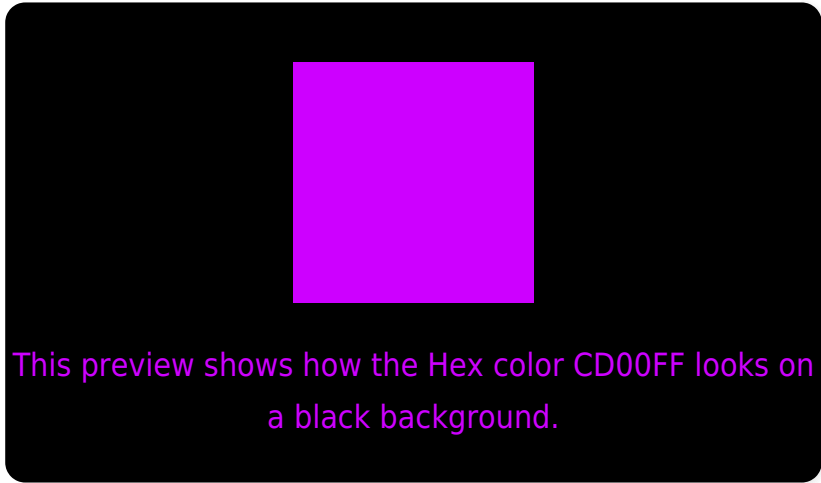
Large Text (above 18pt) WCAG AA ✓ Pass

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

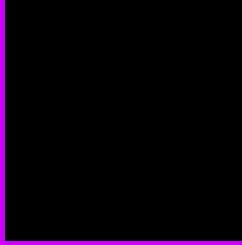
Any Text WCAG AA ✓ Pass

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 CD00FF Background



This preview shows how black text looks on a background with the Hex color CD00FF.



This preview shows how white text looks on a background with the Hex color CD00FF.

# 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







**Tritanopia**  
B8646B

# Trichromacy



**Original Color**  
CD00FF



**Protanomaly**  
4F4DFF



**Deuteranomaly**  
4B51EB



**Tritanomaly**  
C040A1

# Monochromacy



**Original Color**  
CD00FF



**Achromatopsia**  
5A5A5A



**Achromatomaly**  
843996

# CSS Examples

## Text

The CSS property to change the color of the text to Hex CD00FF 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 #CD00FF looks like.

```
.text, #text, p{  
    color:#CD00FF  
}
```

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 #CD00FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CD00FF
}
```

## Border

The CSS property to change the border of an element to Hex CD00FF 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
#CD00FF }
```

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

```
.border{ border-color:#CD00FF }
```

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

Here you see how a box with a 4 pixel #CD00FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CD00FF; -webkit-box-shadow:4px 4px  
4px 4px #CD00FF; box-shadow:4px 4px 4px  
4px #CD00FF }
```

# Background

The CSS property to change the background color of an element to Hex CD00FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CD00FF }
```

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

```
.background{ background-color:#CD00FF }
```

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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