

# Converting Colors

Hex(B016DD)

Have a look what the booklet for  
Hex(B016DD) contains.

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**Color**

**Hex(B016DD)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B016DD
RGB	176, 22, 221
RGB Percent	69%, 9%, 87%
CMY	0.3098, 0.9137, 0.1333
CMYK	0.20, 0.90, 0.00, 0.13
HSL	286°, 82%, 48%
HSV	286°, 90%, 87%
XYZ	31.2426, 15.0244, 69.6599
YIQ	90.7320, 27.9050, 94.5370

# Conversions

## Conversions Part 2

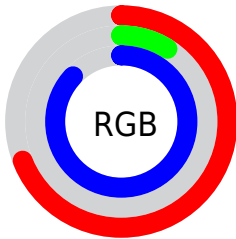
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 22, 221
Decimal	11540189
CIE <sub>Lab</sub>	45.67, 79.26, -66.01
CIE <sub>LCh</sub>	46, 103.149, 320.211
Yxy	15.0244, 0.2695, 0.1296
Android (android.graphics.Color)	4289730269 (0xFFB016DD)
YUV	90.7320, 64.2221, 74.7800
Hunter-Lab	38.7613, 76.0431, -79.4202

# Details

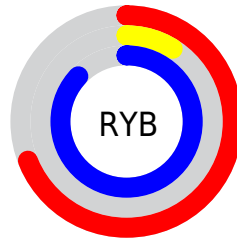
The Hex color **B016DD** is a dark color, and the websafe version is hex **9900CC**. The color can be described as middle washed purple. A complement of this color would be **43DD16**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **EC5FFF**, and **7500A5** is the 20% darker color. If you saturate the color by 10%, you get **AB00DD**, and if you desaturate by 10%, it is **B52CDD**.

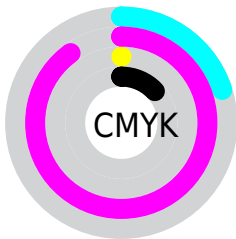
# Distribution



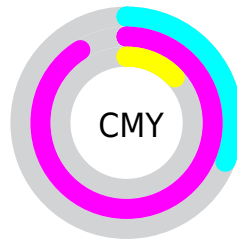
- Red (69%)
- Green (9%)
- Blue (87%)



- Red (69%)
- Yellow (9%)
- Blue (87%)



- Cyan (20%)
- Magenta (90%)
- Yellow (0%)
- Black (13%)



- Cyan (31%)
- Magenta (91%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B016DD 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 B016DD by changing the saturation by 10% instead.



 B016DD

 B016DD

FFFFFF

 9200C1

 EC5FFF

 7500A5

 FF7CFF

 58008A

 FF9AFF

 3A006F

 FFB7FF

 1A0056

 FFD5FF

 00003D

 FFF2FF

 000326

 000110

 000000

 B016DD

 B016DD

 AB00DD

 B52CDD

 BA42DD

 BF58DD

 C46EDD

 C984DD

 CE9BDD

 D3B1DD

 D8C7DD

 DDDDDD

# Harmonies

## Analogous

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



0064FF



B016DD



EF008C

# Triad

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



B016DD



9B5F00



008CA6

# Complementary

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



B016DD



43DD16

# 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.



008A4C



B016DD



4B7900

# Square

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



B016DD



D61E00



008500



008BF3

# Rectangle

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



B016DD



F90054



008500



008B89



# Sweetspot

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



B016DD



EFBAFF



1644DD



765780



000000



808080



# Same Dimension

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



B016DD



C500FF



DD16A8



6B636E



8600AD



24002E



# Inverse Universe

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



DD1643



FF003A



16DD4B



6E6365



AD0027



2E000A



# Previews

## White Background



This preview shows how the Hex color B016DD looks on a white background.

## Color Contrast Check

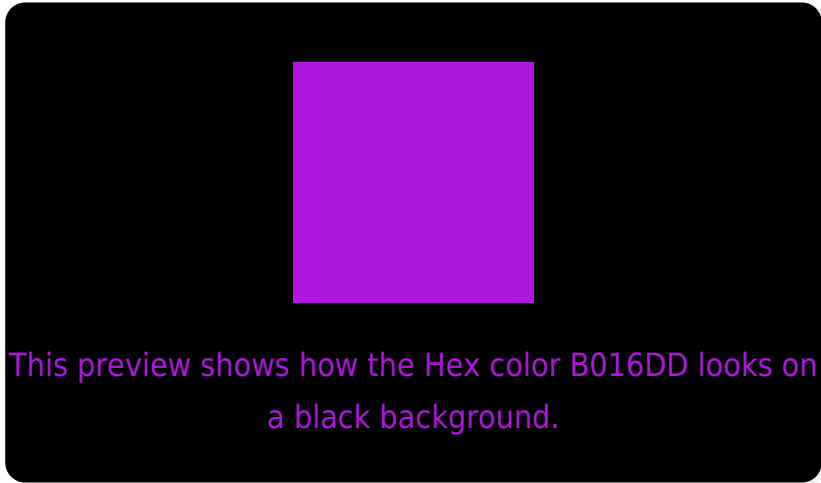
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

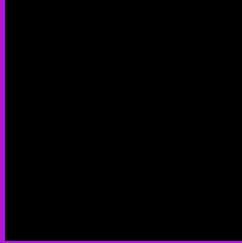
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex B016DD Background



This preview shows how black text looks on a background with the Hex color B016DD.

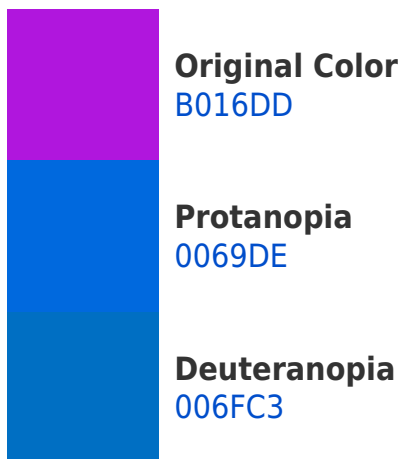



This preview shows how white text looks on a background with the Hex color B016DD.

# 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](#).

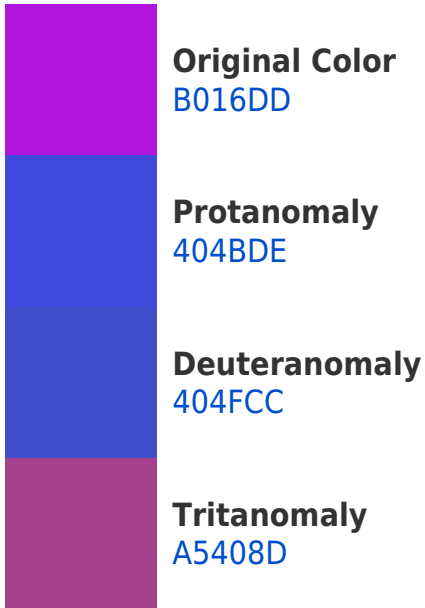
## Dichromacy



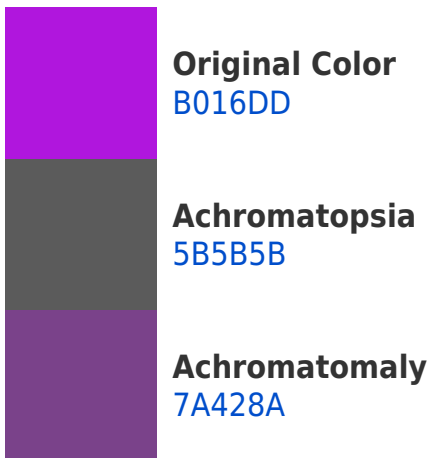


**Tritanopia**  
9E585F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B016DD 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 #B016DD looks like.

```
.text, #text, p{  
    color:#B016DD  
}
```

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 #B016DD colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B016DD
}
```

## Border

The CSS property to change the border of an element to Hex B016DD 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
#B016DD }
```

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

```
.border{ border-color:#B016DD }
```

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

Here you see how a box with a 4 pixel #B016DD colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B016DD; -webkit-box-shadow:4px 4px  
4px 4px #B016DD; box-shadow:4px 4px 4px  
4px #B016DD }
```

# Background

The CSS property to change the background color of an element to Hex B016DD is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B016DD }
```

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

```
.background{ background-color:#B016DD }
```

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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