

# Converting Colors

Hex(BD02B8)

Have a look what the booklet for  
Hex(BD02B8) contains.

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**Color**

**Hex(BD02B8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD02B8
RGB	189, 2, 184
RGB Percent	74%, 1%, 72%
CMY	0.2588, 0.9922, 0.2784
CMYK	0.00, 0.99, 0.03, 0.26
HSL	302°, 98%, 37%
HSV	302°, 99%, 74%
XYZ	29.6597, 14.3229, 46.5488
YIQ	78.6610, 53.0300, 96.2460

# Conversions

## Conversions Part 2

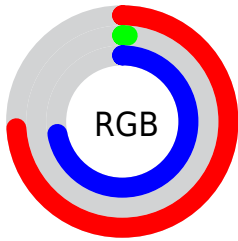
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	189, 2, 184
Decimal	12387000
CIE Lab	44.69, 77.53, -46.02
CIE LCh	45, 90.165, 329.308
Yxy	14.3229, 0.3276, 0.1582
Android (android.graphics.Color)	4290577080 (0xFFBD02B8)
YUV	78.6610, 51.9321, 96.7673
Hunter-Lab	37.8456, 73.6609, -46.4326

# Details

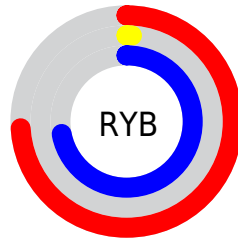
The Hex color **BD02B8** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **02BD07**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **F959F1**, and **830082** is the 20% darker color. If you saturate the color by 10%, you get **BD00B8**, and if you desaturate by 10%, it is **BD15B9**.

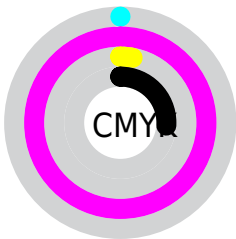
# Distribution



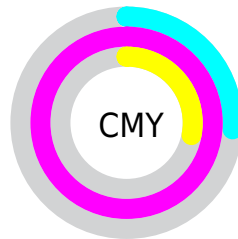
- Red (74%)
- Green (1%)
- Blue (72%)



- Red (74%)
- Yellow (1%)
- Blue (72%)



- Cyan (0%)
- Magenta (99%)
- Yellow (3%)
- Black (26%)



- Cyan (26%)
- Magenta (99%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BD02B8 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 BD02B8 by changing the saturation by 10% instead.



 BD02B8

 BD02B8

FFFFFF

 A0009D

 F959F1

 830082

 FF77FF

 660068

 FF95FF

 4A0050

 FFB2FF

 2F0038

 FFD0FF

 070021

 FFE EFF

 000006

 000000

 BD02B8

 BD02B8

■ BD00B8

■ BD15B9

■ BD28B9

■ BD3BBA

■ BD4EBA

■ BD61BB

■ BD73BB

■ BD86BC

■ BD99BC

■ BDACBD

# Harmonies

## Analogous

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



4956F0



BD02B8



E4006F

# Triad

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



BD02B8



836700



0087B2

# Complementary

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



BD02B8



02BD07

# 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.



008666



BD02B8



337900

# Square

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



BD02B8



BB4200



008208



0084ED

# Rectangle

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



BD02B8



E4003E



008208



00879A



# Sweetspot

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



BD02B8



F5ABF3



0502BD



7A4E79



FAFAFA



7A7A7A



# Same Dimension

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



BD02B8



F500EE



BD025C



5E555E



9E009A



1F001E



# Inverse Universe

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



BD02B8



F500EE



02BD63



5E555E



9E009A



1F001E



# Previews

## White Background



This preview shows how the Hex color BD02B8 looks on a white background.

## Color Contrast Check

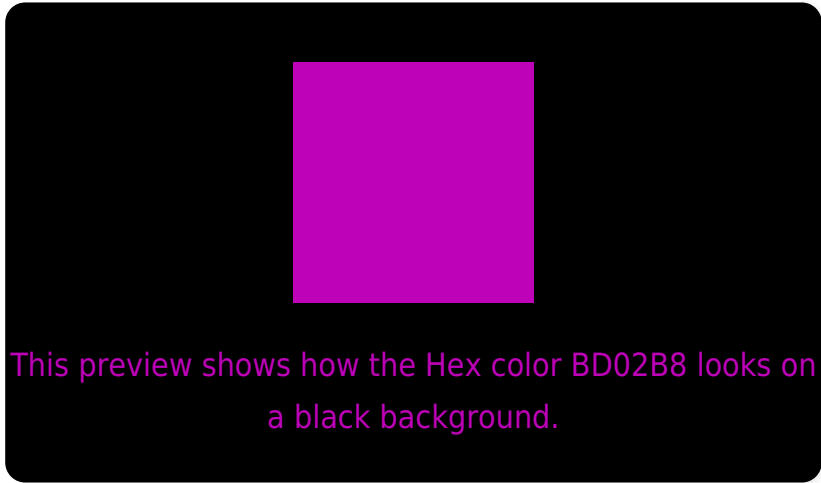
Large Text (above 18pt) WCAG AA ✓ Pass

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

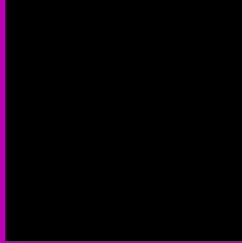
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex BD02B8 Background



This preview shows how black text looks on a background with the Hex color BD02B8.

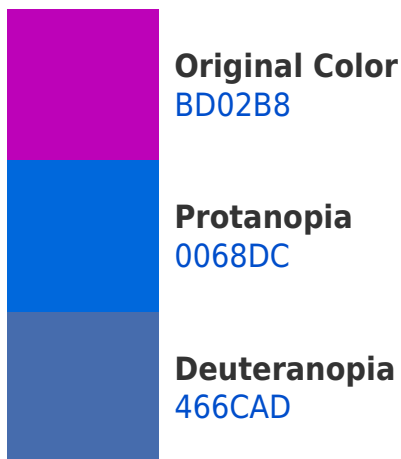



This preview shows how white text looks on a background with the Hex color BD02B8.

# 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**  
B2484D

# Trichromacy



**Original Color**  
BD02B8



**Protanomaly**  
4543CF



**Deuteranomaly**  
7145B1



**Tritanomaly**  
B62F74

# Monochromacy



**Original Color**  
BD02B8



**Achromatopsia**  
4F4F4F



**Achromatomaly**  
773375

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BD02B8 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 #BD02B8 looks like.

```
.text, #text, p{  
    color:#BD02B8  
}
```

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 #BD02B8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BD02B8
}
```

## Border

The CSS property to change the border of an element to Hex BD02B8 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
#BD02B8 }
```

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

```
.border{ border-color:#BD02B8 }
```

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

Here you see how a box with a 4 pixel #BD02B8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BD02B8; -webkit-box-shadow:4px 4px  
4px 4px #BD02B8; box-shadow:4px 4px 4px  
4px #BD02B8 }
```

# Background

The CSS property to change the background color of an element to Hex BD02B8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BD02B8 }
```

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

```
.background{ background-color:#BD02B8 }
```

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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