

# Converting Colors

Hex(B023B0)

Have a look what the booklet for  
Hex(B023B0) contains.

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**Color**

**Hex(B023B0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B023B0
RGB	176, 35, 176
RGB Percent	69%, 14%, 69%
CMY	0.3098, 0.8627, 0.3098
CMYK	0.00, 0.80, 0.00, 0.31
HSL	300°, 67%, 41%
HSV	300°, 80%, 69%
XYZ	26.3420, 13.5668, 42.3046
YIQ	93.2330, 38.7750, 73.7430

# Conversions

## Conversions Part 2

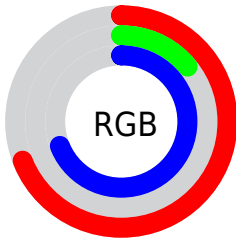
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 35, 176
Decimal	11543472
CIE <sub>Lab</sub>	43.61, 69.07, -43.17
CIE <sub>LCh</sub>	44, 81.455, 327.994
Yxy	13.5668, 0.3204, 0.1650
Android (android.graphics.Color)	4289733552 (0xFFB023B0)
YUV	93.2330, 40.8041, 72.5867
Hunter-Lab	36.8331, 63.2004, -42.3143

# Details

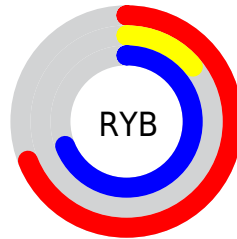
The Hex color **B023B0** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **23B023**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **EB62E8**, and **77007B** is the 20% darker color. If you saturate the color by 10%, you get **B011B0**, and if you desaturate by 10%, it is **B035B0**.

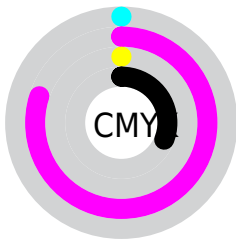
# Distribution



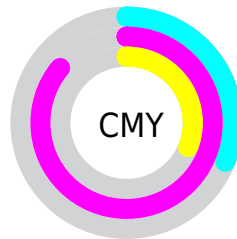
- Red (69%)
- Green (14%)
- Blue (69%)



- Red (69%)
- Yellow (14%)
- Blue (69%)



- Cyan (0%)
- Magenta (80%)
- Yellow (0%)
- Black (31%)



- Cyan (31%)
- Magenta (86%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B023B0 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 B023B0 by changing the saturation by 10% instead.



 B023B0

 B023B0

FFFFFF

 930095

 EB62E8

 77007B

 FF7FFF

 5B0061

 FF9CFF

 410049

 FFB9FF

 250031

 FFD6FF

 00011B

 FFF4FF

 000000

 B023B0

 B023B0

 B011B0

 B035B0

 B000B0

 B046B0

 B058B0

 B069B0

 B07BB0

 B08DB0

 B09EB0

 B0B0B0

 B0C1B0

# Harmonies

## Analogous

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



4757E1



B023B0



D5006F

# Triad

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



B023B0



826300



0082A5

# Complementary

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



B023B0



23B023

# 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.



008160



B023B0



3E7500

# Square

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



B023B0



B44300



007D11



007FDB

# Rectangle

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



B023B0



D70043



007D11



00828F



# Sweetspot

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



B023B0



E6AEE6



2323B0



735173



F2F2F2



737373



# Same Dimension

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



B023B0



E609E6



B0236A



595059



990099



1A001A



# Inverse Universe

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



B023B0



E609E6



23B06A



595059



990099



1A001A



# Previews

## White Background



This preview shows how the Hex color B023B0 looks on a white background.

## Color Contrast Check

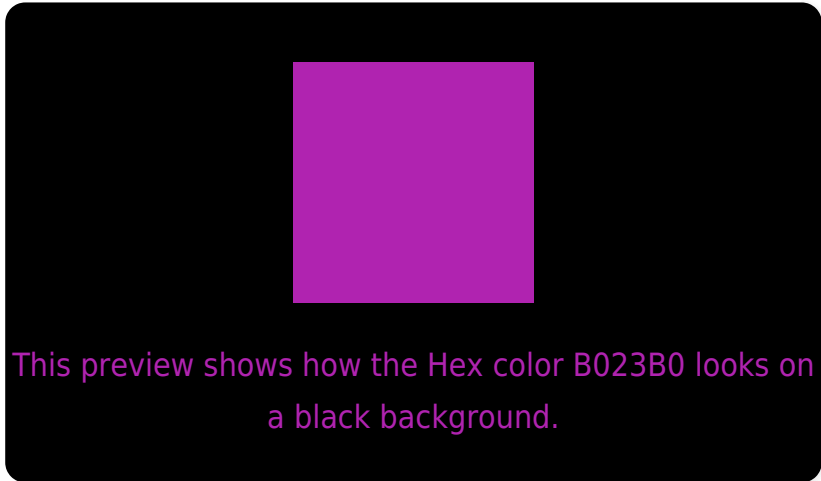
Large Text (above 18pt) WCAG AA ✓ Pass

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

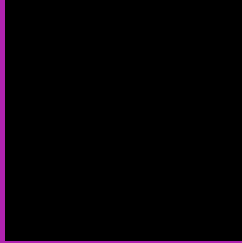
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex B023B0 Background



This preview shows how black text looks on a background with the Hex color B023B0.

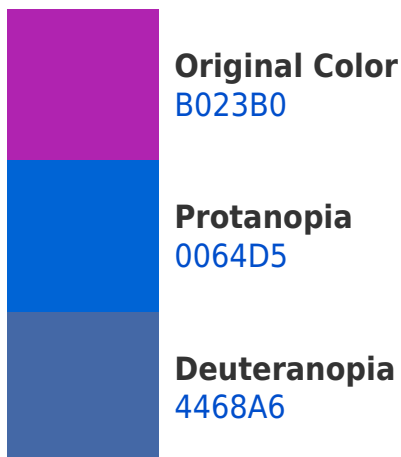



This preview shows how white text looks on a background with the Hex color B023B0.

# 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**  
A54B50

# Trichromacy



**Original Color**  
B023B0



**Protanomaly**  
404CC8



**Deuteranomaly**  
6B4FAA



**Tritanomaly**  
A93C73

# Monochromacy



**Original Color**  
B023B0



**Achromatopsia**  
5D5D5D



**Achromatomaly**  
7B487B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B023B0 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 #B023B0 looks like.

```
.text, #text, p{  
    color:#B023B0  
}
```

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 #B023B0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B023B0
}
```

## Border

The CSS property to change the border of an element to Hex B023B0 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
#B023B0 }
```

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

```
.border{ border-color:#B023B0 }
```

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

Here you see how a box with a 4 pixel #B023B0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B023B0; -webkit-box-shadow:4px 4px  
4px 4px #B023B0; box-shadow:4px 4px 4px  
4px #B023B0 }
```

# Background

The CSS property to change the background color of an element to Hex B023B0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B023B0 }
```

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

```
.background{ background-color:#B023B0 }
```

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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