

# Converting Colors

Hex(B312B0)

Have a look what the booklet for  
Hex(B312B0) contains.

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**Color**

**Hex(B312B0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B312B0
RGB	179, 18, 176
RGB Percent	70%, 7%, 69%
CMY	0.2980, 0.9294, 0.3098
CMYK	0.00, 0.90, 0.02, 0.30
HSL	301°, 82%, 39%
HSV	301°, 90%, 70%
XYZ	26.6432, 13.1509, 42.2084
YIQ	84.1510, 45.2380, 83.2700

# Conversions

## Conversions Part 2

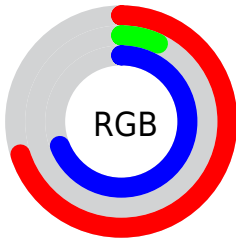
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 18, 176
Decimal	11735728
CIE <sub>Lab</sub>	42.99, 72.96, -44.12
CIE <sub>LCh</sub>	43, 85.267, 328.838
Yxy	13.1509, 0.3249, 0.1604
Android (android.graphics.Color)	4289925808 (0xFFB312B0)
YUV	84.1510, 45.2816, 83.1826
Hunter-Lab	36.2642, 67.6811, -43.6236

# Details

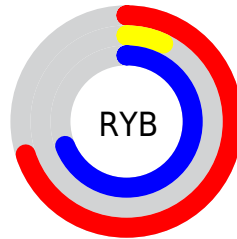
The Hex color **B312B0** is a dark color, and the websafe version is hex **CC33CC**. A complement of this color would be **12B315**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **EE5BE8**, and **7A007B** is the 20% darker color. If you saturate the color by 10%, you get **B300B0**, and if you desaturate by 10%, it is **B324B0**.

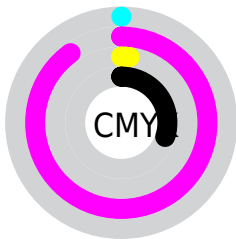
# Distribution



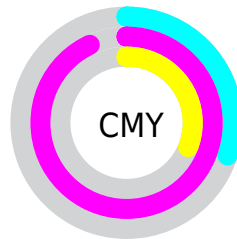
- Red (70%)
- Green (7%)
- Blue (69%)



- Red (70%)
- Yellow (7%)
- Blue (69%)



- Cyan (0%)
- Magenta (90%)
- Yellow (2%)
- Black (30%)



- Cyan (30%)
- Magenta (93%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B312B0 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 B312B0 by changing the saturation by 10% instead.



 B312B0

 B312B0

FFFFFF

 960095

 EE5BE8

 7A007B

 FF78FF

 5D0061

 FF95FF

 430049

 FFB3FF

 270031

 FFD0FF

 00011B

 FFEEFF

 000000

 B312B0

 B312B0

 B300B0

 B324B0

 B336B1

 B348B1

 B35AB1

 B36BB2

 B37DB2

 B38FB2

 B3A1B3

 B3B3B3

# Harmonies

## Analogous

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



4654E4



B312B0



D8006C

# Triad

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



B312B0



7F6200



0081A9

# Complementary

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



B312B0



12B315

# 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.



008061



B312B0



367400

# Square

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



B312B0



B34000



007D0A



007EE0

# Rectangle

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



B312B0



D9003E



007D0A



008192



# Sweetspot

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



B312B0



E8A9E7



1512B3



755075



F5F5F5



757575



# Same Dimension

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



B312B0



E800E4



B31260



595059



990096



1A0019



# Inverse Universe

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



B312B0



E800E4



12B365



595059



990096



1A0019



# Previews

## White Background



This preview shows how the Hex color B312B0 looks on a white background.

## Color Contrast Check

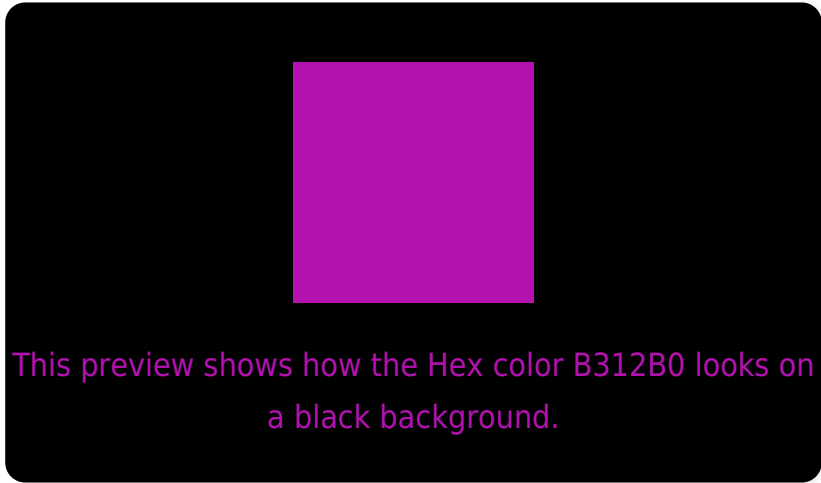
Large Text (above 18pt) WCAG AA ✓ Pass

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

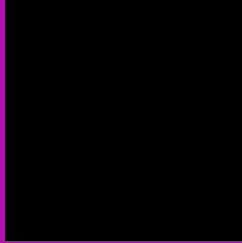
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex B312B0 Background



This preview shows how black text looks on a background with the Hex color B312B0.

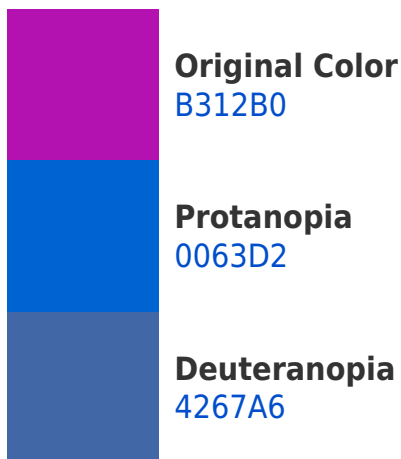


This preview shows how white text looks on a background with the Hex color B312B0.

# 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**  
A8464B

# Trichromacy



**Original Color**  
B312B0



**Protanomaly**  
4146C6



**Deuteranomaly**  
6B48AA



**Tritanomaly**  
AC3370

# Monochromacy



**Original Color**  
B312B0



**Achromatopsia**  
545454



**Achromatomaly**  
773C75

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B312B0 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 #B312B0 looks like.

```
.text, #text, p{  
    color:#B312B0  
}
```

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 #B312B0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B312B0
}
```

## Border

The CSS property to change the border of an element to Hex B312B0 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
#B312B0 }
```

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

```
.border{ border-color:#B312B0 }
```

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

Here you see how a box with a 4 pixel #B312B0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B312B0; -webkit-box-shadow:4px 4px  
4px 4px #B312B0; box-shadow:4px 4px 4px  
4px #B312B0 }
```

# Background

The CSS property to change the background color of an element to Hex B312B0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B312B0 }
```

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

```
.background{ background-color:#B312B0 }
```

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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