

# Converting Colors

Hex(BB1DE2)

Have a look what the booklet for  
Hex(BB1DE2) contains.

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**Color**

**Hex(BB1DE2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BB1DE2
RGB	187, 29, 226
RGB Percent	73%, 11%, 89%
CMY	0.2667, 0.8863, 0.1137
CMYK	0.17, 0.87, 0.00, 0.11
HSL	288°, 77%, 50%
HSV	288°, 87%, 89%
XYZ	34.6603, 16.9345, 73.3934
YIQ	98.7000, 30.9310, 94.7630

# Conversions

## Conversions Part 2

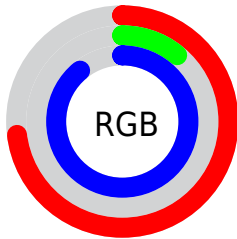
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 29, 226
Decimal	12262882
CIE <sub>Lab</sub>	48.18, 80.59, -64.71
CIE <sub>LCh</sub>	48, 103.355, 321.239
Yxy	16.9345, 0.2773, 0.1355
Android (android.graphics.Color)	4290452962 (0xFFBB1DE2)
YUV	98.7000, 62.7589, 77.4391
Hunter-Lab	41.1516, 78.3283, -76.9370

# Details

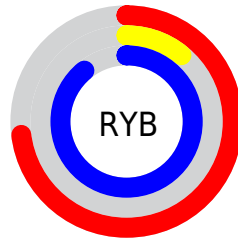
The Hex color **BB1DE2** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **44E21D**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **F764FF**, and **8000AA** is the 20% darker color. If you saturate the color by 10%, you get **B706E2**, and if you desaturate by 10%, it is **BF34E2**.

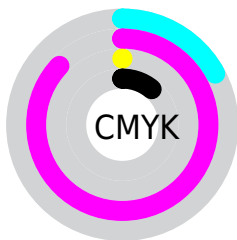
# Distribution



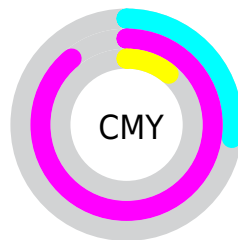
- Red (73%)
- Green (11%)
- Blue (89%)



- Red (73%)
- Yellow (11%)
- Blue (89%)



- Cyan (17%)
- Magenta (87%)
- Yellow (0%)
- Black (11%)



- Cyan (27%)
- Magenta (89%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BB1DE2 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 BB1DE2 by changing the saturation by 10% instead.



 BB1DE2

 BB1DE2

FFFFFF

 9D00C5

 F764FF

 8000AA

 FF82FF

 63008E

 FF9FFF

 450074

 FFBCFF

 29005A

 FFDAFF

 000042

 FFF8FF

 00032A

 000115

 000000

 BB1DE2

 BB1DE2

 B706E2

 BF34E2

 B500E2

 C44AE2

 C861E2

 CD77E2

 D18EE2

 D6A5E2

 DABBE2

 DFD2E2

 E3E8E2

# Harmonies

## Analogous

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



0068FF



BB1DE2



F80090

# Triad

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



BB1DE2



A16600



0093B0

# Complementary

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



BB1DE2



44E21D

# 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.



009155



BB1DE2



4E8000

# Square

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



BB1DE2



DC2C00



008C00



0092FC

# Rectangle

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



BB1DE2



FF0057



008C00



009393



# Sweetspot

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



BB1DE2



F2BDFE



1D44E2



785880



000000



808080



# Same Dimension

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



BB1DE2



CD00FF



E21DA7



6E6570



8D00B0



270030



# Inverse Universe

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



E21D44



FF0032



1DE258



706567



B00023

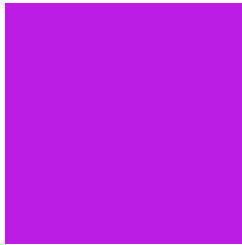


30000A



# Previews

## White Background



This preview shows how the Hex color BB1DE2 looks on a white background.

## Color Contrast Check

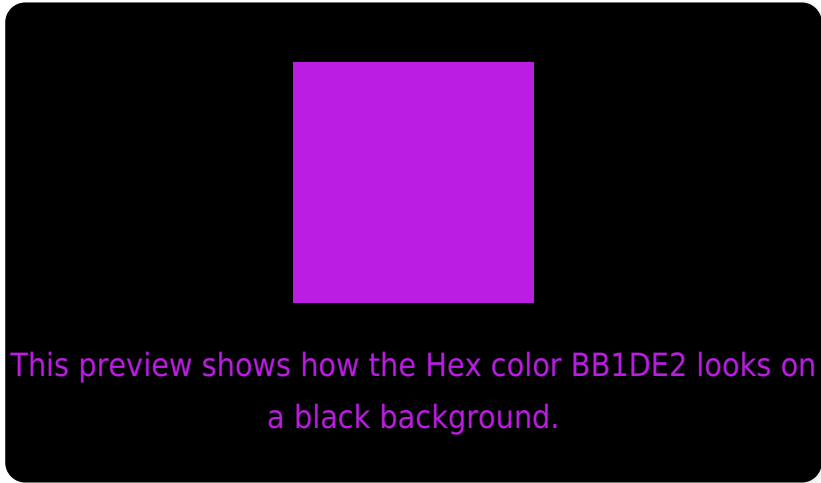
Large Text (above 18pt) WCAG AA ✓ Pass

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

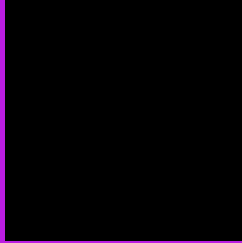
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex BB1DE2 Background



This preview shows how black text looks on a background with the Hex color BB1DE2.



This preview shows how white text looks on a background with the Hex color BB1DE2.

# 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



**Original Color**  
BB1DE2

**Protanopia**  
006FEA

**Deuteranopia**  
0075CF



**Tritanopia**  
A95B62

# Trichromacy



**Original Color**  
BB1DE2



**Protanomaly**  
4451E7



**Deuteranomaly**  
4455D6



**Tritanomaly**  
B04491

# Monochromacy



**Original Color**  
BB1DE2



**Achromatopsia**  
636363



**Achromatomaly**  
834A91

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BB1DE2 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 #BB1DE2 looks like.

```
.text, #text, p{  
    color:#BB1DE2  
}
```

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 #BB1DE2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB1DE2
}
```

## Border

The CSS property to change the border of an element to Hex BB1DE2 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
#BB1DE2 }
```

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

```
.border{ border-color:#BB1DE2 }
```

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

Here you see how a box with a 4 pixel #BB1DE2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB1DE2; -webkit-box-shadow:4px 4px  
4px 4px #BB1DE2; box-shadow:4px 4px 4px  
4px #BB1DE2 }
```

# Background

The CSS property to change the background color of an element to Hex BB1DE2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB1DE2 }
```

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

```
.background{ background-color:#BB1DE2 }
```

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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