

Converting Colors

Hex(BB4DEE)

Have a look what the booklet for
Hex(BB4DEE) contains.

Hex(BB4DEE)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(**BB4DEE**)

Conversions

Conversions Part 1

Format	Color
Hex	BB4DEE
RGB	187, 77, 238
RGB Percent	73%, 30%, 93%
CMY	0.2667, 0.6980, 0.0667
CMYK	0.21, 0.68, 0.00, 0.07
HSL	281°, 83%, 62%
HSV	281°, 68%, 93%
XYZ	38.5800, 22.0456, 83.1108
YIQ	128.2440, 13.8790, 73.3910

Conversions

Conversions Part 2

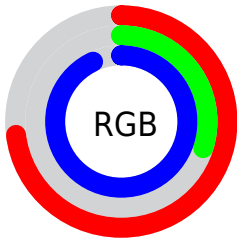
Format	Color
RYB	187, 77, 238
Decimal	12275182
CIELab	54.08, 68.16, -61.96
CIElCh	54, 92.112, 317.727
Yxy	22.0456, 0.2684, 0.1534
Android (android.graphics.Color)	4290465262 (0xFFBB4DEE)
YUV	128.2440, 54.1097, 51.5290
Hunter-Lab	46.9527, 64.5021, -72.0819

Details

The Hex color **BB4DEE** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **80EE4D**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **F785FF**, and **8102B5** is the 20% darker color. If you saturate the color by 10%, you get **B335EE**, and if you desaturate by 10%, it is **C365EE**.

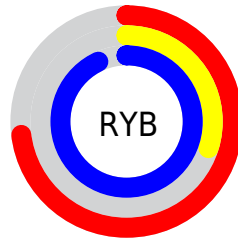
Distribution



Red (73%)

Green (30%)

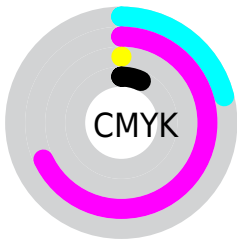
Blue (93%)



Red (73%)

Yellow (30%)

Blue (93%)

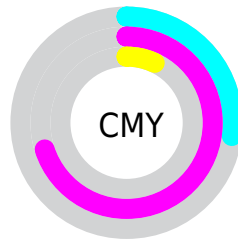


Cyan (21%)

Magenta (68%)

Yellow (0%)

Black (7%)



Cyan (27%)

Magenta (70%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Hex color BB4DEE 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 BB4DEE by changing the saturation by 10% instead.

 BB4DEE

 BB4DEE

FFFFFF

 9E2FD1

 F785FF

 8102B5

 FFA2FF

 64009A

 FFBEFF

 47007F

 FFDBFF

 2A0065

 FFF9FF

 01004C

 000434

 00021E

 000000

 BB4DEE

 BB4DEE

 B335EE

 C365EE

 AC1DEE

 CA7DEE

 A406EE

 D294EE

 A300EE

 D9ACEE

 E1C4EE

 E8DCEE

 F0F4EE

 F7FFEE

 FFFFEE

Harmonies

Analogous

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



007BFF



BB4DEE



FA00A5

Triad

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



BB4DEE



B87200



00A2B0

Complementary

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



BB4DEE



80EE4D

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.



00A05D



BB4DEE



718C00

Square

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



BB4DEE



EC4500



009900



00A0F7

Rectangle

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



BB4DEE



FF0071



009900



00A195

Sweetspot

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



BB4DEE



EFCCFF



4D83EE



766180



000000



808080

Same Dimension

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



BB4DEE



BE30FF



EE4DD3



746C78



7D00B8



260038

Inverse Universe

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



EE4D80



FF3072



4DEE68



786C70



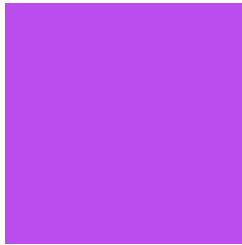
B8003A



380012

Previews

White Background



This preview shows how the Hex color BB4DEE looks on a white background.

Color Contrast Check

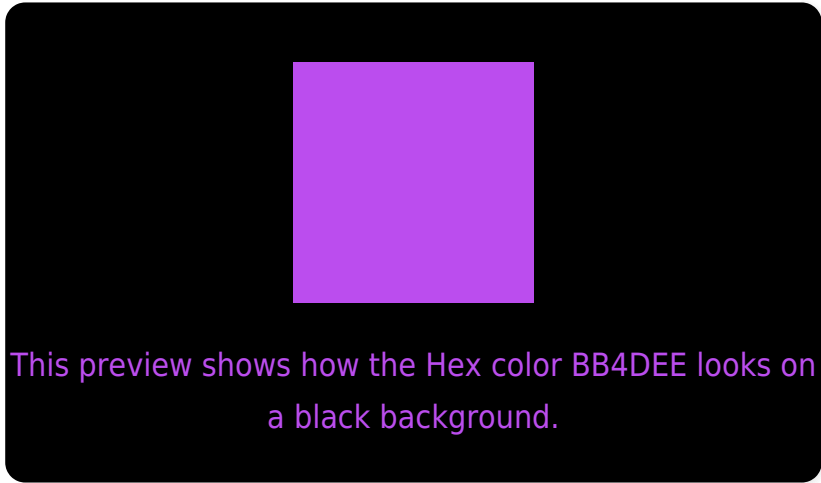
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

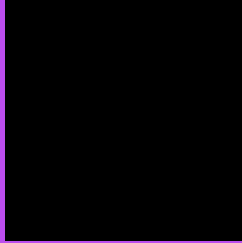
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Hex BB4DEE Background



This preview shows how black text looks on a background with the Hex color BB4DEE.

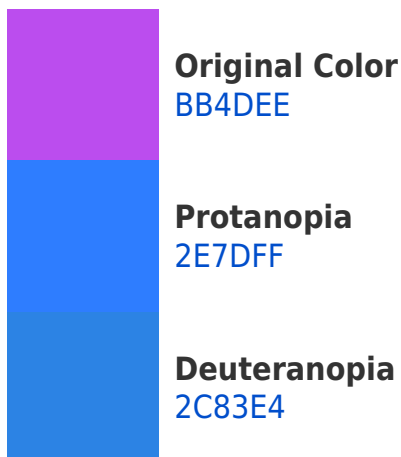


This preview shows how white text looks on a background with the Hex color BB4DEE.

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](#).

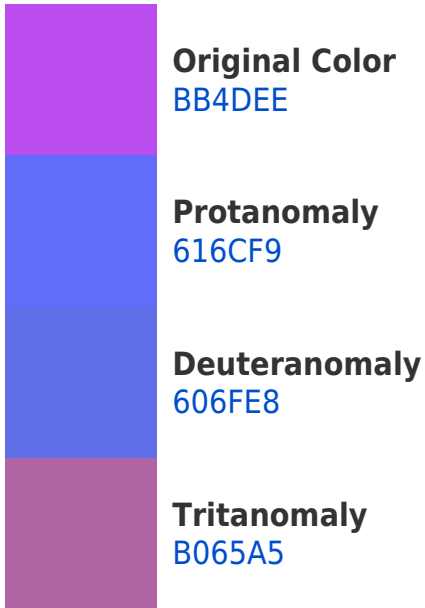
Dichromacy



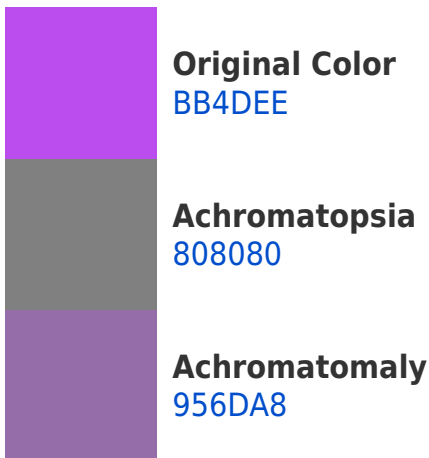


Tritanopia
A9727B

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex BB4DEE 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 #BB4DEE looks like.

```
.text, #text, p{  
    color:#BB4DEE  
}
```

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 #BB4DEE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB4DEE
}
```

Border

The CSS property to change the border of an element to Hex BB4DEE 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
#BB4DEE }
```

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

```
.border{ border-color:#BB4DEE }
```

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

Here you see how a box with a 4 pixel #BB4DEE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB4DEE; -webkit-box-shadow:4px 4px  
4px 4px #BB4DEE; box-shadow:4px 4px 4px  
4px #BB4DEE }
```

Background

The CSS property to change the background color of an element to Hex BB4DEE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB4DEE }
```

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

```
.background{ background-color:#BB4DEE }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor