

# Converting Colors

Hex(B500EF)

Have a look what the booklet for  
Hex(B500EF) contains.

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**Color**

**Hex(B500EF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B500EF
RGB	181, 0, 239
RGB Percent	71%, 0%, 94%
CMY	0.2902, 1.0000, 0.0627
CMYK	0.24, 1.00, 0.00, 0.06
HSL	285°, 100%, 47%
HSV	285°, 100%, 94%
XYZ	34.6360, 16.0558, 82.9349
YIQ	81.3650, 31.1570, 112.7010

# Conversions

## Conversions Part 2

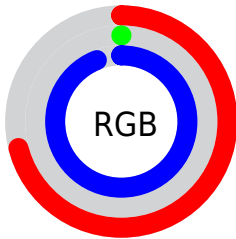
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 0, 239
Decimal	11862255
CIE <sub>Lab</sub>	47.05, 85.38, -73.95
CIE <sub>LCh</sub>	47, 112.951, 319.104
Yxy	16.0558, 0.2592, 0.1202
Android (android.graphics.Color)	4290052335 (0xFFB500EF)
YUV	81.3650, 77.7141, 87.3799
Hunter-Lab	40.0696, 84.1729, -94.6679

# Details

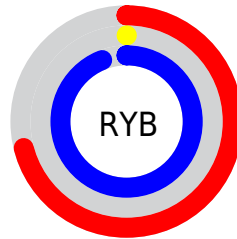
The Hex color **B500EF** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle washed purple. A complement of this color would be **3AEF00**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **F25BFF**, and **7900B6** is the 20% darker color. If you saturate the color by 10%, you get **B500EF**, and if you desaturate by 10%, it is **BB18EF**.

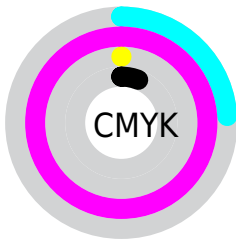
# Distribution



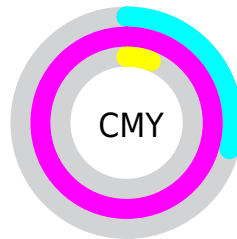
- Red (71%)
- Green (0%)
- Blue (94%)



- Red (71%)
- Yellow (0%)
- Blue (94%)



- Cyan (24%)
- Magenta (100%)
- Yellow (0%)
- Black (6%)



- Cyan (29%)
- Magenta (100%)
- Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B500EF 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 B500EF by changing the saturation by 10% instead.



 B500EF

 B500EF

FFFFFF

 9700D2

 F25BFF

 7900B6

 FF79FF

 5B009A

 FF97FF

 3B007F

 FFB5FF

 180065

 FFD3FF

 00004C

 FFF1FF

 000434

 00021E

 000000

 B500EF

 BB18EF

 C130EF

 C648EF

 CC60EF

 D277EF

 D88FEF

 DEA7EF

 E3BFEF

 E9D7EF

# Harmonies

## Analogous

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



0069FF



B500EF



FD0097

# Triad

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



B500EF



A45F00



0092AC

# Complementary

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



B500EF



3AEF00

# 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.



008F48



B500EF



4C7D00

# Square

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



B500EF



E30000



008A00



0092FF

# Rectangle

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



B500EF



FF0059



008A00



00918C



# Sweetspot

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



B500EF



ECB3FF



003CEF



745280



000000



808080



# Same Dimension

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



B500EF



C100FF



EF00B3



756C78



8B00B8



2A0038



# Inverse Universe

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



EF003A



FF003E



00EF3C



786C6F



B8002D



38000E



# Previews

## White Background



This preview shows how the Hex color B500EF looks on a white background.

## Color Contrast Check

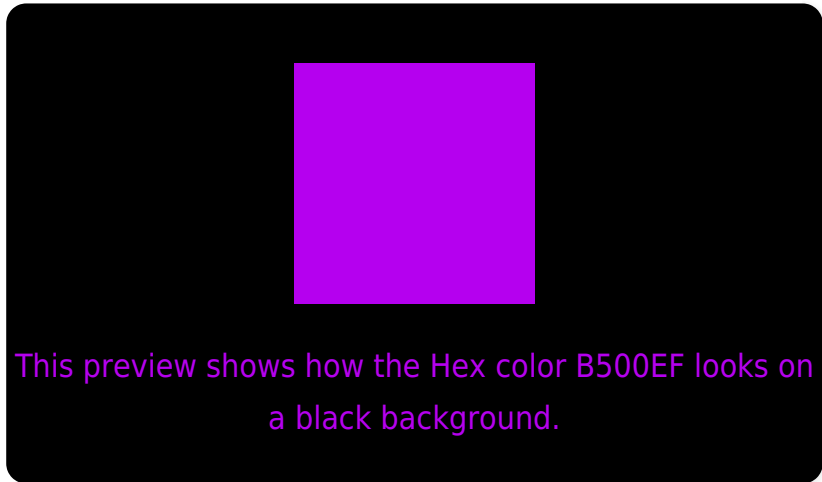
Large Text (above 18pt) WCAG AA ✓ Pass

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

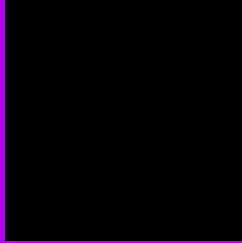
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex B500EF Background



This preview shows how black text looks on a background with the Hex color B500EF.



This preview shows how white text looks on a background with the Hex color B500EF.

# 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**  
B500EF

**Protanopia**  
006DE6

**Deuteranopia**  
0074C9



**Tritanopia**  
A05E64

# Trichromacy



**Original Color**  
B500EF



**Protanomaly**  
4245E9



**Deuteranomaly**  
424AD7



**Tritanomaly**  
A83C97

# Monochromacy



**Original Color**  
B500EF



**Achromatopsia**  
515151



**Achromatomaly**  
75348A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B500EF 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 #B500EF looks like.

```
.text, #text, p{  
    color:#B500EF  
}
```

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 #B500EF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B500EF
}
```

## Border

The CSS property to change the border of an element to Hex B500EF is called "border". The border property can be set on classes, ids or directly on the HTML element.

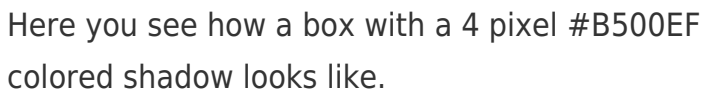
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B500EF }
```

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

```
.border{ border-color:#B500EF }
```

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



Here you see how a box with a 4 pixel #B500EF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B500EF; -webkit-box-shadow:4px 4px  
4px 4px #B500EF; box-shadow:4px 4px 4px  
4px #B500EF }
```

# Background

The CSS property to change the background color of an element to Hex B500EF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B500EF }
```

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

```
.background{ background-color:#B500EF }
```

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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