

# Converting Colors

Hex(B500FC)

Have a look what the booklet for  
Hex(B500FC) contains.

<b>Hex(B500FC)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(B500FC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B500FC
RGB	181, 0, 252
RGB Percent	71%, 0%, 99%
CMY	0.2902, 1.0000, 0.0118
CMYK	0.28, 1.00, 0.00, 0.01
HSL	283°, 100%, 49%
HSV	283°, 100%, 99%
XYZ	36.6267, 16.8520, 93.4178
YIQ	82.8470, 26.9840, 116.7440

# Conversions

## Conversions Part 2

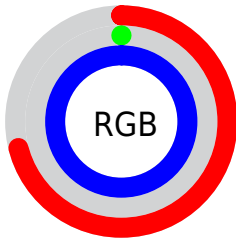
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 0, 252
Decimal	11862268
CIE <sub>Lab</sub>	48.07, 87.67, -79.57
CIE <sub>LCh</sub>	48, 118.400, 317.773
Yxy	16.8520, 0.2493, 0.1147
Android (android.graphics.Color)	4290052348 (0xFFB500FC)
YUV	82.8470, 83.3924, 86.0802
Hunter-Lab	41.0512, 87.4217, -106.1868

# Details

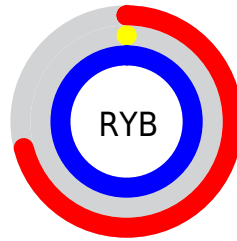
The Hex color **B500FC** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **47FC00**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **F35CFF**, and **7800C2** is the 20% darker color. If you saturate the color by 10%, you get **B500FC**, and if you desaturate by 10%, it is **BC19FC**.

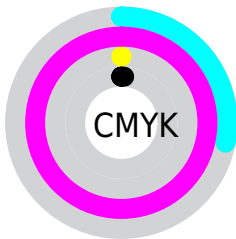
# Distribution



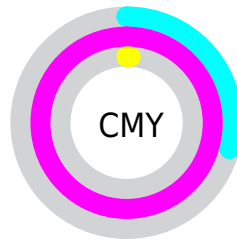
- Red (71%)
- Green (0%)
- Blue (99%)



- Red (71%)
- Yellow (0%)
- Blue (99%)



- Cyan (28%)
- Magenta (100%)
- Yellow (0%)
- Black (1%)



- Cyan (29%)
- Magenta (100%)
- Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B500FC 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 B500FC by changing the saturation by 10% instead.



 B500FC

 B500FC

FFFFFF

 9700DF

 F35CFF

 7800C2

 FF7BFF

 5900A6

 FF99FF

 37008B

 FFB6FF

 0E0070

 FFD4FF

 000056

 FFF3FF

 00063E

 000327

 000110

 B500FC

 BC19FC

 C332FC

 CA4CFC

 D165FC

 D87EFC

 E097FC

 E7B0FC

 EECAFC

 F5E3FC

# Harmonies

## Analogous

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



006EFF



B500FC



FF00A0

# Triad

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



B500FC



AC5F00



0095AE

# Complementary

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



B500FC



47FC00

# 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.



009243



B500FC



518000

# Square

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



B500FC



ED0000



008D00



0096FF

# Rectangle

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



B500FC



FF005E



008D00



00948B



# Sweetspot

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



B500FC



E9B3FF



0047FC



735280



000000



808080



# Same Dimension

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



B500FC



B700FF



FC00C5



79707D



8800BD



2C003D



# Inverse Universe

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



FC0047



FF0048



00FC37



7D7074



BD0035



3D0011



# Previews

## White Background



This preview shows how the Hex color B500FC looks on a white background.

## Color Contrast Check

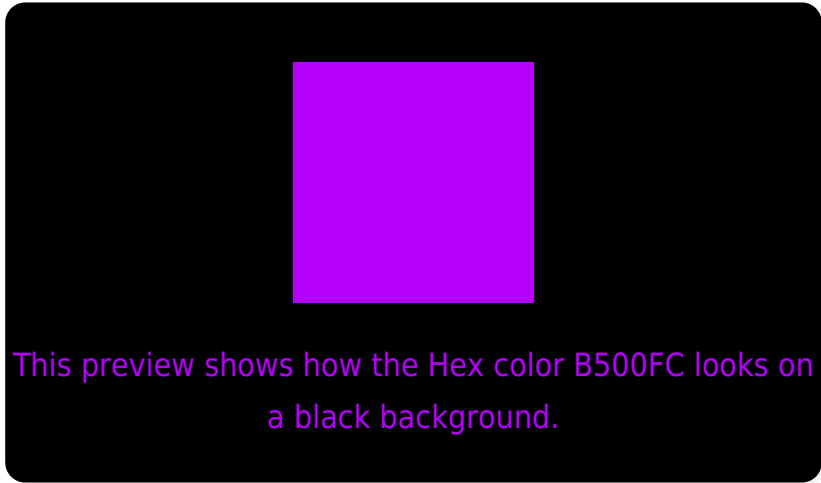
Large Text (above 18pt) WCAG AA ✓ Pass

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

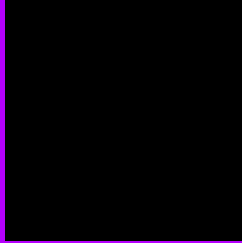
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex B500FC Background



This preview shows how black text looks on a background with the Hex color B500FC.



This preview shows how white text looks on a background with the Hex color B500FC.

# 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**  
B500FC

**Protanopia**  
0070EB

**Deuteranopia**  
0076CC



**Tritanopia**  
9D636A

# Trichromacy



**Original Color**  
B500FC



**Protanomaly**  
4247F1



**Deuteranomaly**  
424BDD

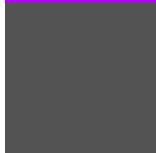


**Tritanomaly**  
A63F9F

# Monochromacy



**Original Color**  
B500FC



**Achromatopsia**  
535353



**Achromatomaly**  
773590

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B500FC 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 #B500FC looks like.

```
.text, #text, p{  
    color:#B500FC  
}
```

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 #B500FC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B500FC
}
```

## Border

The CSS property to change the border of an element to Hex B500FC is called "border". The border property can be set on classes, ids or directly on the HTML element.

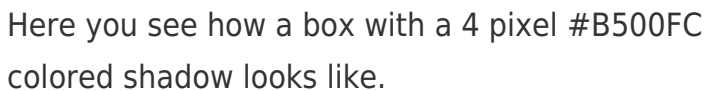
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B500FC }
```

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

```
.border{ border-color:#B500FC }
```

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



Here you see how a box with a 4 pixel #B500FC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B500FC; -webkit-box-shadow:4px 4px  
4px 4px #B500FC; box-shadow:4px 4px 4px  
4px #B500FC }
```

# Background

The CSS property to change the background color of an element to Hex B500FC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B500FC }
```

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

```
.background{ background-color:#B500FC }
```

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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