

# Converting Colors

Hex(B871EF)

Have a look what the booklet for  
Hex(B871EF) contains.

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# Color

Hex(B871EF)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B871EF
RGB	184, 113, 239
RGB Percent	72%, 44%, 94%
CMY	0.2784, 0.5569, 0.0627
CMYK	0.23, 0.53, 0.00, 0.06
HSL	274°, 80%, 69%
HSV	274°, 53%, 94%
XYZ	41.2523, 28.2326, 84.9366
YIQ	148.5930, 1.8700, 54.2380

# Conversions

## Conversions Part 2

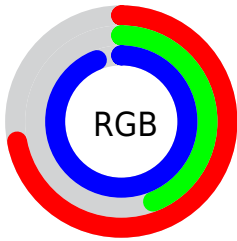
<b>Format</b>	<b>Color</b>
<b>RYB</b>	184, 113, 239
Decimal	12087791
CIELab	60.10, 50.55, -52.90
CIElCh	60, 73.176, 313.699
Yxy	28.2326, 0.2671, 0.1828
Android (android.graphics.Color)	4290277871 (0xFFB871EF)
YUV	148.5930, 44.5707, 31.0519
Hunter-Lab	53.1344, 45.5981, -57.5825

# Details

The Hex color **B871EF** is a light color, and the **websafe** version is hex **9966CC**. A complement of this color would be **A8EF71**, and the grayscale version is **949494**.

A 20% lighter version of the original color is **F2A7FF**, and **803DB6** is the 20% darker color. If you saturate the color by 10%, you get **AE59EF**, and if you desaturate by 10%, it is **C289EF**.

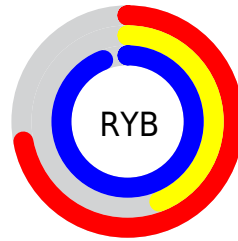
# Distribution



Red (72%)

Green (44%)

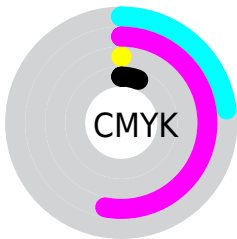
Blue (94%)



Red (72%)

Yellow (44%)

Blue (94%)

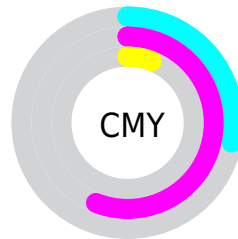


Cyan (23%)

Magenta (53%)

Yellow (0%)

Black (6%)



Cyan (28%)

Magenta (56%)

Yellow (6%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B871EF 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 B871EF by changing the saturation by 10% instead.



 B871EF

 D58CFF

 F2A7FF

 FFC3FF

 FFDFFF

 FFFCFF

 FFFFFFFF

 B871EF

 9C57D2

 803DB6

 64239B

 490280

 2C0067

 13004E

 000036

 000220

 000003

 B871EF

 AE59EF

 A341EF

 9929EF

 8E11EF

 8700EF

 B871EF

 C289EF

 CDA1EF

 D7B9EF

 E2D1EF

 ECE8EF

 F7FFEF

 FFFFEF

# Harmonies

## Analogous

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



268FFF



B871EF



F252B7

# Triad

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



B871EF



CB8100



00AEAE

# Complementary

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



B871EF



A8EF71

# 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.



00AC6A



B871EF



939700

# Square

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



B871EF



F36339



45A527



00ACE9

# Rectangle

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



B871EF



FF498C



45A527



00AE97



# Sweetspot

The sweet spot groups the original color and five complimentary colors.



B871EF



EDD6FF



71AAEF



756780



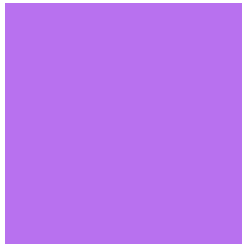
000000



808080

# Previews

## White Background



This preview shows how the Hex color B871EF looks on a white background.

## Color Contrast Check

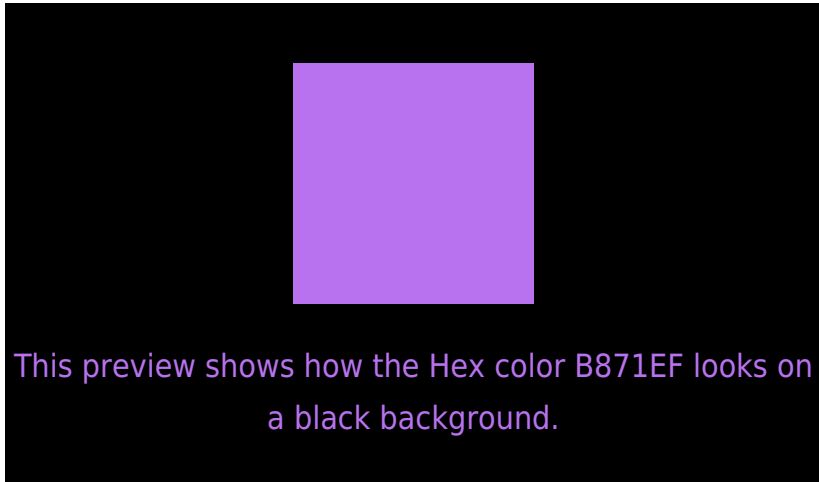
Large Text (above 18pt) WCAG AA ✓ Pass

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

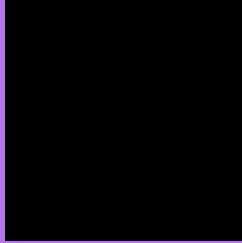
Any Text WCAG AA ✓ Pass

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 B871EF Background



This preview shows how black text looks on a background with the Hex color B871EF.

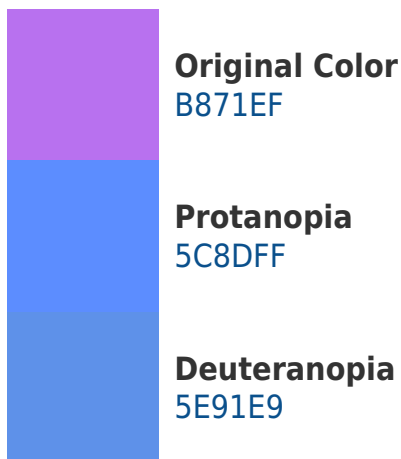



This preview shows how white text looks on a background with the Hex color B871EF.

# 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](#).

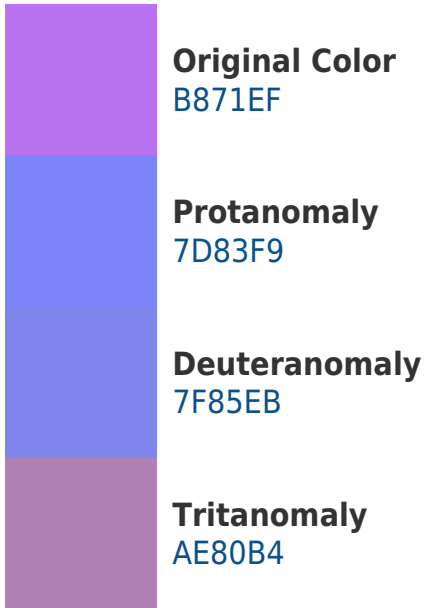
## Dichromacy



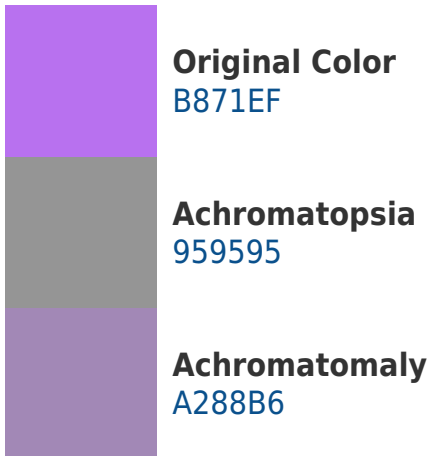


**Tritanopia**  
A88893

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B871EF 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 #B871EF looks like.

```
.text, #text, p{  
    color:#B871EF  
}
```



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 #B871EF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B871EF
}
```

## Border

The CSS property to change the border of an element to Hex B871EF is called "border". The border property can be set on classes, ids or directly on the HTML element.

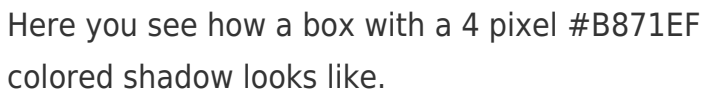
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B871EF }
```

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

```
.border{ border-color:#B871EF }
```

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



Here you see how a box with a 4 pixel #B871EF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B871EF; -webkit-box-shadow:4px 4px  
4px 4px #B871EF; box-shadow:4px 4px 4px  
4px #B871EF }
```

# Background

The CSS property to change the background color of an element to Hex B871EF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B871EF }
```

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

```
.background{ background-color:#B871EF }
```

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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