

# Converting Colors

Hex(B100E7)

Have a look what the booklet for  
Hex(B100E7) contains.

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**Color**

**Hex(B100E7)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B100E7
RGB	177, 0, 231
RGB Percent	69%, 0%, 91%
CMY	0.3059, 1.0000, 0.0941
CMYK	0.23, 1.00, 0.00, 0.09
HSL	286°, 100%, 45%
HSV	286°, 100%, 91%
XYZ	32.5553, 15.1166, 76.8033
YIQ	79.2570, 31.3410, 109.3650

# Conversions

## Conversions Part 2

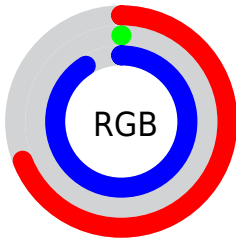
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	177, 0, 231
Decimal	11600103
CIE <sub>Lab</sub>	45.79, 83.48, -71.49
CIE <sub>LCh</sub>	46, 109.913, 319.424
Yxy	15.1166, 0.2615, 0.1214
Android (android.graphics.Color)	4289790183 (0xFFB100E7)
YUV	79.2570, 74.8093, 85.7206
Hunter-Lab	38.8801, 81.4222, -89.9046

# Details

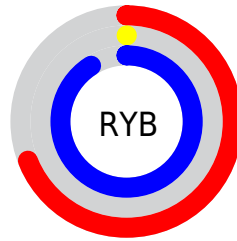
The Hex color **B100E7** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed purple. A complement of this color would be **36E700**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **EE59FF**, and **7500AE** is the 20% darker color. If you saturate the color by 10%, you get **B100E7**, and if you desaturate by 10%, it is **B617E7**.

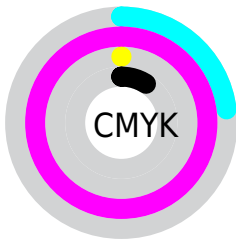
# Distribution



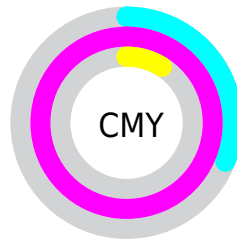
- Red (69%)
- Green (0%)
- Blue (91%)



- Red (69%)
- Yellow (0%)
- Blue (91%)



- Cyan (23%)
- Magenta (100%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (100%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B100E7 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 B100E7 by changing the saturation by 10% instead.



 B100E7

 B100E7

FFFFFF

 9300CA

 EE59FF

 7500AE

 FF78FF

 570093

 FF96FF

 380078

 FFB3FF

 14005E

 FFD1FF

 000045

 FFEFFF

 00042E

 000118

 000000

 B100E7

 B617E7

 BC2EE7

 C145E7

 C75CE7

 CC74E7

 D18BE7

 D7A2E7

 DCB9E7

 E2D0E7

# Harmonies

## Analogous

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



0065FF



B100E7



F60091

# Triad

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



B100E7



9F5D00



008DA8

# Complementary

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



B100E7



36E700

# 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.



008B47



B100E7



497A00

# Square

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



B100E7



DC0000



008600



008DFA

# Rectangle

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



B100E7



FF0055



008600



008D89



# Sweetspot

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



B100E7



EDB3FF



003AE7



755280



000000



808080



# Same Dimension

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



B100E7



C300FF



E700AD



706773



8900B3



270033



# Inverse Universe

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



E70036



FF003C



00E73A



73676A



B3002A



33000C



# Previews

## White Background



This preview shows how the Hex color B100E7 looks on a white background.

## Color Contrast Check

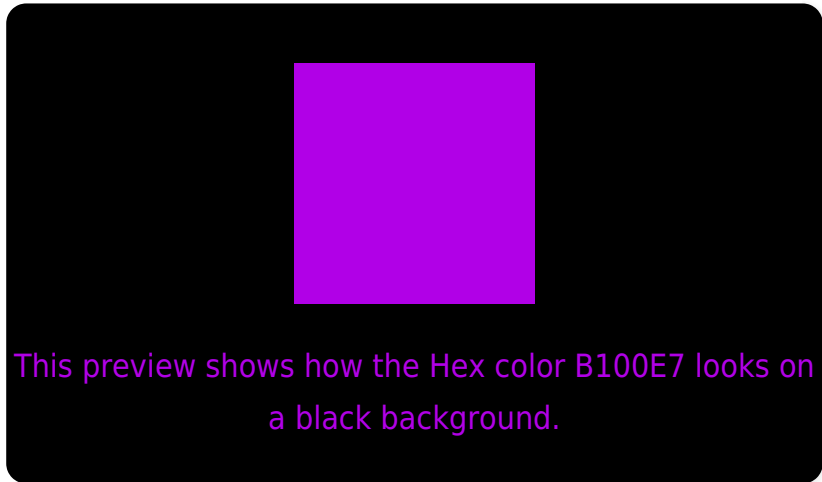
Large Text (above 18pt) WCAG AA ✓ Pass

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 B100E7 Background



This preview shows how black text looks on a background with the Hex color B100E7.



This preview shows how white text looks on a background with the Hex color B100E7.

# 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**  
B100E7

**Protanopia**  
006AE0

**Deuteranopia**  
0071C4



**Tritanopia**  
9D5A61

# Trichromacy



**Original Color**  
B100E7



**Protanomaly**  
4043E3



**Deuteranomaly**  
4048D1



**Tritanomaly**  
A43992

# Monochromacy



**Original Color**  
B100E7



**Achromatopsia**  
4F4F4F



**Achromatomaly**  
733286

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B100E7 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 #B100E7 looks like.

```
.text, #text, p{  
  color:#B100E7  
}
```

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 #B100E7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B100E7
}
```

## Border

The CSS property to change the border of an element to Hex B100E7 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
#B100E7 }
```

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

```
.border{ border-color:#B100E7 }
```

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

Here you see how a box with a 4 pixel #B100E7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B100E7; -webkit-box-shadow:4px 4px  
4px 4px #B100E7; box-shadow:4px 4px 4px  
4px #B100E7 }
```

# Background

The CSS property to change the background color of an element to Hex B100E7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B100E7 }
```

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

```
.background{ background-color:#B100E7 }
```

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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