

Converting Colors

Hex(1B00E1)

Have a look what the booklet for
Hex(1B00E1) contains.

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Color

Hex(1B00E1)

Conversions

Conversions Part 1

Format	Color
Hex	1B00E1
RGB	27, 0, 225
RGB Percent	11%, 0%, 88%
CMY	0.8941, 1.0000, 0.1176
CMYK	0.88, 1.00, 0.00, 0.12
HSL	247°, 100%, 44%
HSV	247°, 100%, 88%
XYZ	14.0426, 5.6693, 71.5883
YIQ	33.7230, -56.1330, 75.6990

Conversions

Conversions Part 2

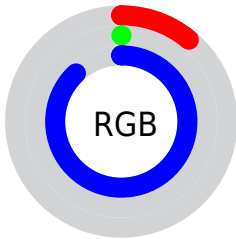
Format	Color
R_{YB}	27, 0, 225
Decimal	1769697
CIE Lab	28.56, 72.25, -97.08
CIE LCh	29, 121.012, 306.657
Yxy	5.6693, 0.1538, 0.0621
Android (android.graphics.Color)	4279959777 (0xFF1B00E1)
YUV	33.7230, 94.2996, -5.8961
Hunter-Lab	23.8102, 63.6066, -161.5956

Details

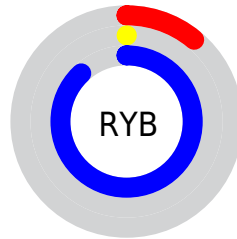
The Hex color **1B00E1** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **C6E100**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **7644FF**, and **0000A8** is the 20% darker color. If you saturate the color by 10%, you get **1B00E1**, and if you desaturate by 10%, it is **2F16E1**.

Distribution



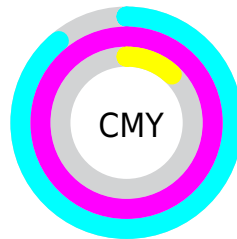
- Red (11%)
- Green (0%)
- Blue (88%)



- Red (11%)
- Yellow (0%)
- Blue (88%)



- Cyan (88%)
- Magenta (100%)
- Yellow (0%)
- Black (12%)



- Cyan (89%)
- Magenta (100%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1B00E1 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 1B00E1 by changing the saturation by 10% instead.

■ 1B00E1

■ 1B00E1

FFFFFF

■ 0000C4

■ 7644FF

■ 0000A8

■ 985FFF

■ 00008C

■ B97AFF

■ 000471

■ D995FF

■ 000C58

■ F9B1FF

■ 00073F

■ FFCEFF

■ 000328

■ FFE8FF

■ 000112

■ 000000

 1B00E1

 2F16E1

 432DE1

 5644E1

 6A5AE1

 7E71E1

 9287E1

 A69DE1

 B9B4E1

 CDCBE1

Harmonies

Analogous

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



0052FF



1B00E1



B60090

Triad

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



1B00E1



8A0E00



005D57

Complementary

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



1B00E1



C6E100

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.



005B00



1B00E1



404800

Square

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



1B00E1



BD0000



005600



0061B6

Rectangle

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



1B00E1



D00053



005600



005C36

Sweetspot

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



1B00E1



BCB3FF



00C7E1



575280



000000



808080

Same Dimension

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



1B00E1



1F00FF



8B00E1



666570



1500B0



060030

Inverse Universe

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



E100C6



FF00E0



56E100



70656F



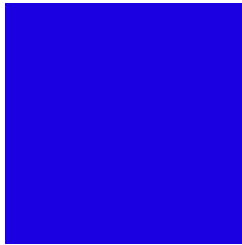
B0009B



30002B

Previews

White Background



This preview shows how the Hex color 1B00E1 looks on a white background.

Color Contrast Check

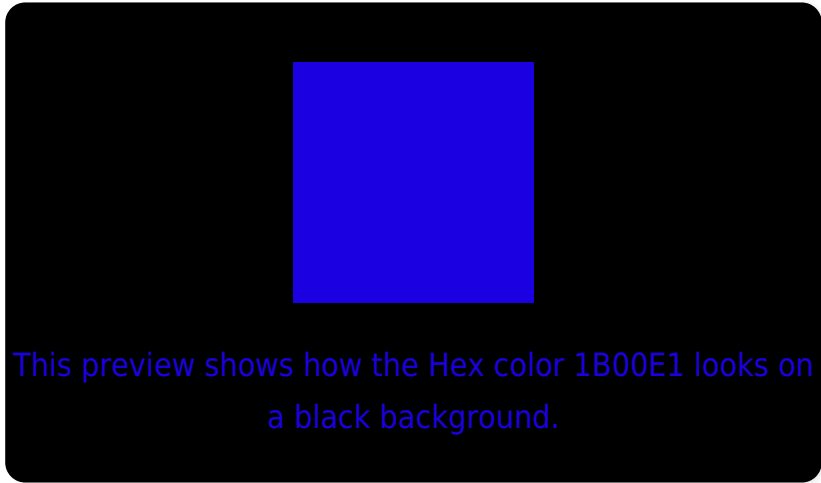
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

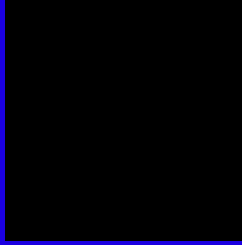
Any Text WCAG AA × Fail

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 1B00E1 Background



This preview shows how black text looks on a background with the Hex color 1B00E1.



This preview shows how white text looks on a background with the Hex color 1B00E1.

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
1B00E1

Protanopia
00438C

Deuteranopia
004776



Tritanopia
004D50

Trichromacy



Original Color
1B00E1

Protanomaly
0A2BAB

Deuteranomaly
0A2D9D

Tritanomaly
0A3185

Monochromacy



Original Color
1B00E1

Achromatopsia
222222

Achromatomaly
1F1667

CSS Examples

Text

The CSS property to change the color of the text to Hex 1B00E1 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 #1B00E1 looks like.

```
.text, #text, p{  
    color:#1B00E1  
}
```

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 #1B00E1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B00E1
}
```

Border

The CSS property to change the border of an element to Hex 1B00E1 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".

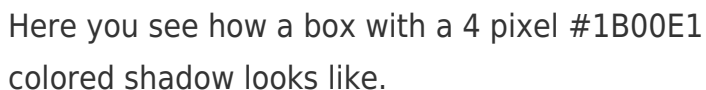
```
.border, #border, table{ border:4px solid
#1B00E1 }
```

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

```
.border{ border-color:#1B00E1 }
```

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

Here you see how a box with a 4 pixel #1B00E1 colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B00E1; -webkit-box-shadow:4px 4px  
4px 4px #1B00E1; box-shadow:4px 4px 4px  
4px #1B00E1 }
```

Background

The CSS property to change the background color of an element to Hex 1B00E1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B00E1 }
```

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

```
.background{ background-color:#1B00E1 }
```

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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