

Converting Colors

Hex(1B00AA)

Have a look what the booklet for
Hex(1B00AA) contains.

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Color

Hex(1B00AA)

Conversions

Conversions Part 1

Format	Color
Hex	1B00AA
RGB	27, 0, 170
RGB Percent	11%, 0%, 67%
CMY	0.8941, 1.0000, 0.3333
CMYK	0.84, 1.00, 0.00, 0.33
HSL	250°, 100%, 33%
HSV	250°, 100%, 67%
XYZ	7.7077, 3.1353, 38.2291
YIQ	27.4530, -38.4780, 58.5940

Conversions

Conversions Part 2

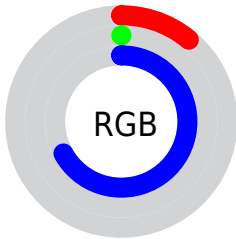
Format	Color
R_{YB}	27, 0, 170
Decimal	1769642
CIE _{Lab}	20.58, 58.76, -78.03
CIE _{LCh}	21, 97.678, 306.981
Yxy	3.1353, 0.1571, 0.0639
Android (android.graphics.Color)	4279959722 (0xFF1B00AA)
YUV	27.4530, 70.2757, -0.3973
Hunter-Lab	17.7068, 46.7137, -115.6133

Details

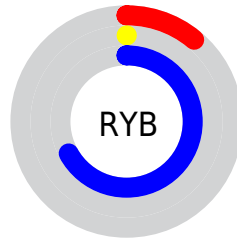
The Hex color **1B00AA** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **8FAA00**, and the grayscale version is **1B1B1B**.

A 20% lighter version of the original color is **683BE3**, and **000074** is the 20% darker color. If you saturate the color by 10%, you get **1B00AA**, and if you desaturate by 10%, it is **2911AA**.

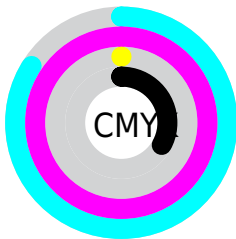
Distribution



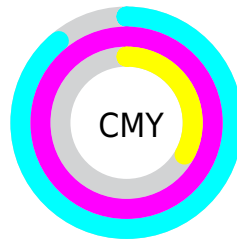
- Red (11%)
- Green (0%)
- Blue (67%)



- Red (11%)
- Yellow (0%)
- Blue (67%)



- Cyan (84%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)



- Cyan (89%)
- Magenta (100%)
- Yellow (33%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1B00AA 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 1B00AA by changing the saturation by 10% instead.

 1B00AA

 1B00AA

 FFFAFF

 00008F

 683BE3

 000074

 8755FF

 00005A

 A56FFF

 000742

 C48AFF

 00032B

 E2A5FF

 000115

 FFC1FF

 000000

 FFDDFF

 1B00AA

 2911AA

 3822AA

 4633AA

 5444AA

 6355AA

 7166AA

 7F77AA

 8D88AA

 9C99AA

Harmonies

Analogous

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



003DC9



1B00AA



8A006C

Triad

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



1B00AA



670B00



004642

Complementary

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



1B00AA



8FAA00

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.



004500



1B00AA



2F3500

Square

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



1B00AA



8F0000



004000



00498A

Rectangle

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



1B00AA



9E003D



004000



004528

Sweetspot

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



1B00AA



A69BDE



0090AA



4E4870



F0F0F0



707070

Same Dimension

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



1B00AA



2300DE



6F00AA



4D4C54



170094



030014

Inverse Universe

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



AA008F



DE00BB



3BAA00



544C53



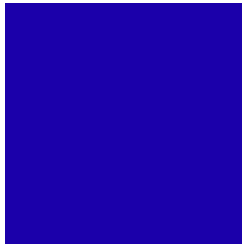
94007C



140011

Previews

White Background



This preview shows how the Hex color 1B00AA looks on a white background.

Color Contrast Check

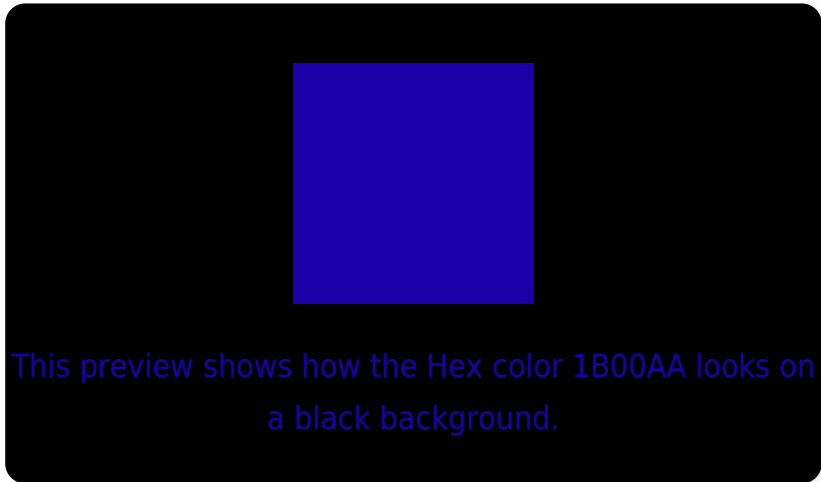
Large Text (above 18pt) WCAG AA ✓ Pass

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

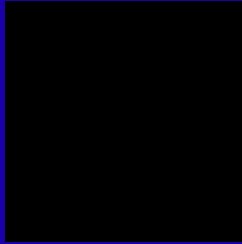
Any Text WCAG AA × Fail

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 1B00AA Background



This preview shows how black text looks on a background with the Hex color 1B00AA.



This preview shows how white text looks on a background with the Hex color 1B00AA.

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
1B00AA

Protanopia
00336B

Deuteranopia
00365A



Tritanopia
003B3D

Trichromacy



Original Color
1B00AA

Protanomaly
0A2082

Deuteranomaly
0A2277

Tritanomaly
0A2665

Monochromacy



Original Color
1B00AA

Achromatopsia
1B1B1B

Achromatomaly
1B114F

CSS Examples

Text

The CSS property to change the color of the text to Hex 1B00AA 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 #1B00AA looks like.

```
.text, #text, p{  
    color:#1B00AA  
}
```

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 #1B00AA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B00AA
}
```

Border

The CSS property to change the border of an element to Hex 1B00AA 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".

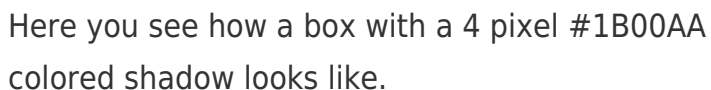
```
.border, #border, table{ border:4px solid
#1B00AA }
```

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

```
.border{ border-color:#1B00AA }
```

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

Here you see how a box with a 4 pixel #1B00AA colored shadow looks like.

A rectangular box with a thick 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 #1B00AA; -webkit-box-shadow:4px 4px  
4px 4px #1B00AA; box-shadow:4px 4px 4px  
4px #1B00AA }
```

Background

The CSS property to change the background color of an element to Hex 1B00AA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B00AA }
```

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

```
.background{ background-color:#1B00AA }
```

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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