

# Converting Colors

Hex(1E00AB)

Have a look what the booklet for  
Hex(1E00AB) contains.

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# Color

**Hex(1E00AB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1E00AB
RGB	30, 0, 171
RGB Percent	12%, 0%, 67%
CMY	0.8824, 1.0000, 0.3294
CMYK	0.82, 1.00, 0.00, 0.33
HSL	251°, 100%, 34%
HSV	251°, 100%, 67%
XYZ	7.8861, 3.2163, 38.7332
YIQ	28.4640, -37.0110, 59.5410

# Conversions

## Conversions Part 2

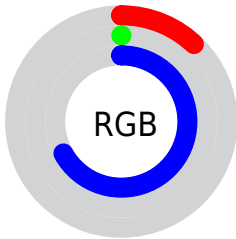
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	30, 0, 171
Decimal	1966251
CIE <sub>Lab</sub>	20.89, 59.07, -78.11
CIE <sub>LCh</sub>	21, 97.928, 307.098
Yxy	3.2163, 0.1582, 0.0645
Android (android.graphics.Color)	4280156331 (0xFF1E00AB)
YUV	28.4640, 70.2702, 1.3471
Hunter-Lab	17.9340, 47.1070, -115.4985

# Details

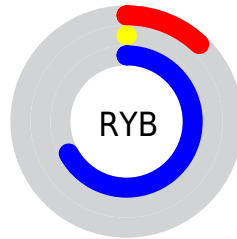
The Hex color **1E00AB** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **8DAB00**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **693CE4**, and **000075** is the 20% darker color. If you saturate the color by 10%, you get **1E00AB**, and if you desaturate by 10%, it is **2C11AB**.

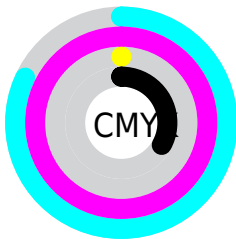
# Distribution



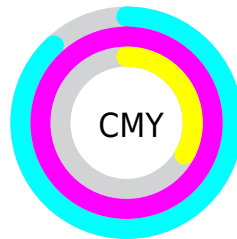
- Red (12%)
- Green (0%)
- Blue (67%)



- Red (12%)
- Yellow (0%)
- Blue (67%)



- Cyan (82%)
- Magenta (100%)
- Yellow (0%)
- Black (33%)



- Cyan (88%)
- Magenta (100%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1E00AB 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 1E00AB by changing the saturation by 10% instead.



 1E00AB

 1E00AB

 FFFBFF

 000090

 693CE4

 000075

 8855FF

 00005B

 A76FFF

 000743

 C58AFF

 00032B

 E4A5FF

 000116

 FFC1FF

 000000

 FFDEFF

 1E00AB

 2C11AB


 3A22AB

 4833AB

 5644AB

 6455AB

 7367AB

 8178AB

 8F89AB

 9D9AAB

# Harmonies

## Analogous

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



003DCA



1E00AB



8C006C

# Triad

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



1E00AB



680D00



004743

# Complementary

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



1E00AB



8DAB00

# 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



1E00AB



2F3600

# Square

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



1E00AB



900000



004100



004A8B

# Rectangle

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



1E00AB



9F003D



004100



004629



# Sweetspot

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



1E00AB



A79BDE



008EAB



4F4870



F0F0F0



707070



# Same Dimension

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



1E00AB



2700DE



7200AB



504E57



1A0096



040017



# Inverse Universe

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



AB008D



DE00B7



39AB00



574E55



96007C

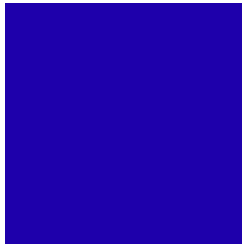


170013



# Previews

## White Background



This preview shows how the Hex color 1E00AB looks on a white background.

## Color Contrast Check

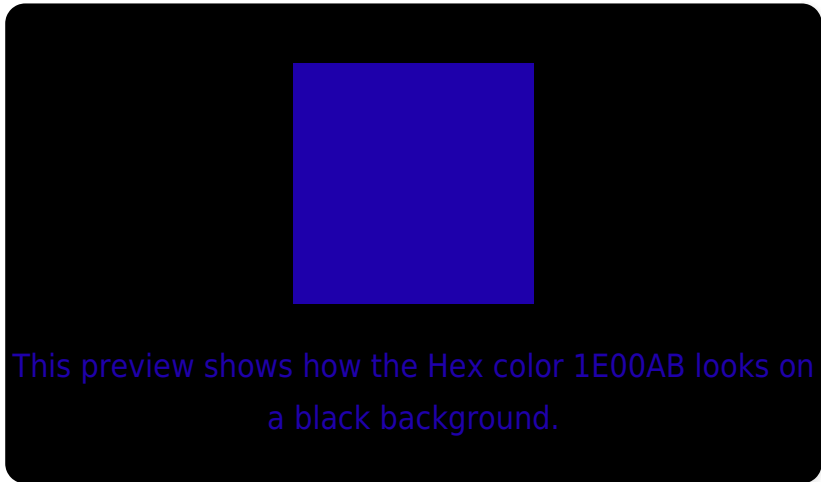
Large Text (above 18pt) WCAG AA ✓ Pass

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

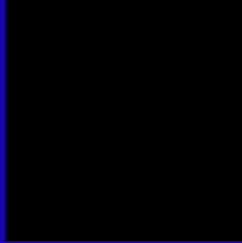
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1E00AB Background



This preview shows how black text looks on a background with the Hex color 1E00AB.



This preview shows how white text looks on a background with the Hex color 1E00AB.

# 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**  
1E00AB

**Protanopia**  
00336C

**Deuteranopia**  
00375B



**Tritanopia**  
003B3E

# Trichromacy



**Original Color**  
1E00AB

**Protanomaly**  
0B2083

**Deuteranomaly**  
0B2378

**Tritanomaly**  
0B2666

# Monochromacy



**Original Color**  
1E00AB

**Achromatopsia**  
1C1C1C

**Achromatomaly**  
1D1250

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1E00AB 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 #1E00AB looks like.

```
.text, #text, p{  
    color:#1E00AB  
}
```

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 #1E00AB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E00AB
}
```

## Border

The CSS property to change the border of an element to Hex 1E00AB 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".

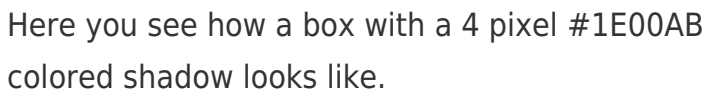
```
.border, #border, table{ border:4px solid
#1E00AB }
```

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

```
.border{ border-color:#1E00AB }
```

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

Here you see how a box with a 4 pixel #1E00AB 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 #1E00AB; -webkit-box-shadow:4px 4px  
4px 4px #1E00AB; box-shadow:4px 4px 4px  
4px #1E00AB }
```

# Background

The CSS property to change the background color of an element to Hex 1E00AB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E00AB }
```

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

```
.background{ background-color:#1E00AB }
```

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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