

# Converting Colors

Hex(1B0F9F)

Have a look what the booklet for  
Hex(1B0F9F) contains.

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# Color

**Hex(1B0F9F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1B0F9F
RGB	27, 15, 159
RGB Percent	11%, 6%, 62%
CMY	0.8941, 0.9412, 0.3765
CMYK	0.83, 0.91, 0.00, 0.38
HSL	245°, 83%, 34%
HSV	245°, 91%, 62%
XYZ	6.8808, 3.0779, 33.0323
YIQ	35.0040, -39.0720, 47.3280

# Conversions

## Conversions Part 2

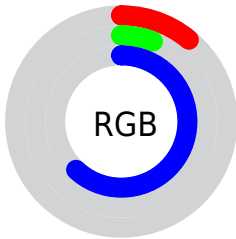
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 15, 159
Decimal	1773471
CIE <sub>Lab</sub>	20.35, 51.69, -71.71
CIE <sub>LCh</sub>	20, 88.399, 305.787
Yxy	3.0779, 0.1601, 0.0716
Android (android.graphics.Color)	4279963551 (0xFF1B0F9F)
YUV	35.0040, 61.1300, -7.0195
Hunter-Lab	17.5438, 39.3073, -99.3531

# Details

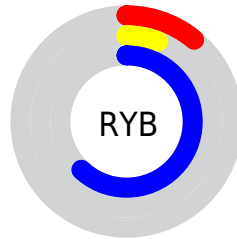
The Hex color **1B0F9F** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **939F0F**, and the grayscale version is **222222**.

A 20% lighter version of the original color is **6442D7**, and **00006A** is the 20% darker color. If you saturate the color by 10%, you get **0D009F**, and if you desaturate by 10%, it is **2A1F9F**.

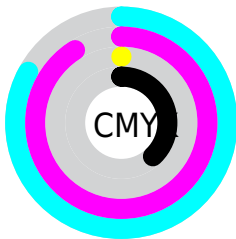
# Distribution



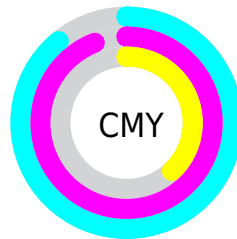
- Red (11%)
- Green (6%)
- Blue (62%)



- Red (11%)
- Yellow (6%)
- Blue (62%)



- Cyan (83%)
- Magenta (91%)
- Yellow (0%)
- Black (38%)



- Cyan (89%)
- Magenta (94%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B0F9F 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 1B0F9F by changing the saturation by 10% instead.





1B0F9F



1B0F9F

FFFFFF



000084



6442D7



00006A



825BF4



000351



A074FF



000539



BE8FFF



000222



DCAAFF



000008



FAC5FF



000000



FFE2FF



1B0F9F



1B0F9F

0D009F

2A1F9F

382F9F

473F9F

554F9F

645F9F

726E9F

817E9F

908E9F

9E9E9F

# Harmonies

## Analogous

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



003BB9



1B0F9F



800068

# Triad

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



1B0F9F



650F00



00453D

# Complementary

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



1B0F9F



939F0F

# 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.



004300



1B0F9F



323400

# Square

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



1B0F9F



880000



003F00



00477E

# Rectangle

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



1B0F9F



93003E



003F00



004526



# Sweetspot

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



1B0F9F



9B97CF



0F939F



4A4769



E8E8E8



696969



# Same Dimension

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



1B0F9F



1100CF



630F9F



48474F



0C008F



01000F



# Inverse Universe

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



9F0F93



CF00BD



4B9F0F



4F474E



8F0083

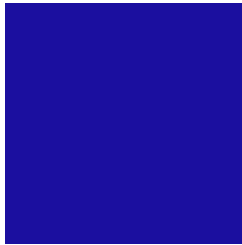


0F000E



# Previews

## White Background



This preview shows how the Hex color 1B0F9F looks on a white background.

## Color Contrast Check

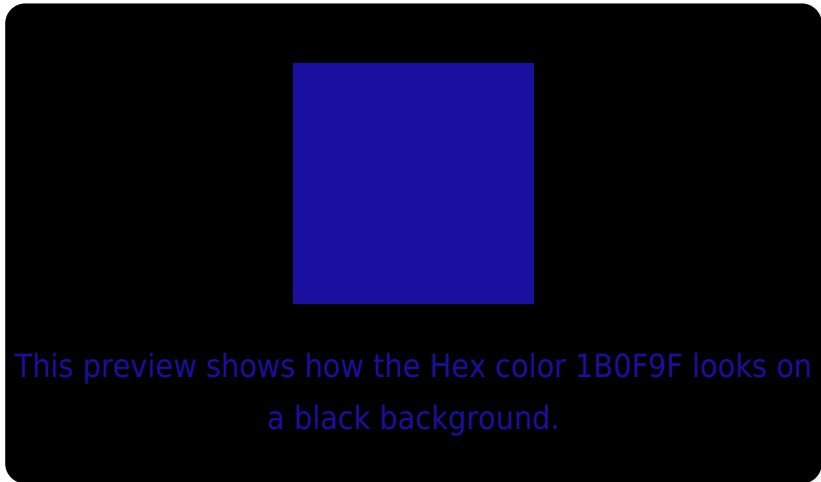
Large Text (above 18pt) WCAG AA ✓ Pass

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

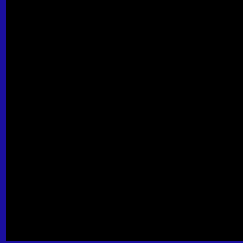
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1B0F9F Background



This preview shows how black text looks on a background with the Hex color 1B0F9F.

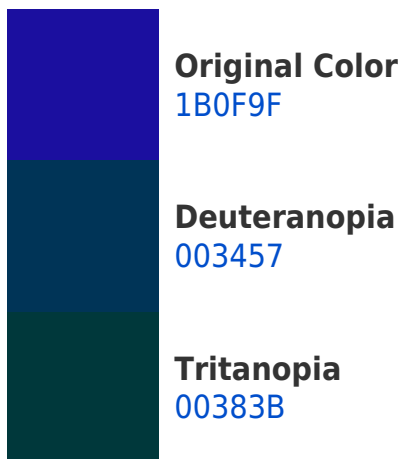


This preview shows how white text looks on a background with the Hex color 1B0F9F.

# 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



# Trichromacy



**Original Color**  
1B0F9F

**Deuteranomaly**  
0A2771

**Tritanomaly**  
0A295F

# Monochromacy



**Original Color**  
1B0F9F

**Achromatopsia**  
232323

**Achromatomaly**  
201C50

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B0F9F 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 #1B0F9F looks like.

```
.text, #text, p{  
    color:#1B0F9F  
}
```

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 #1B0F9F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B0F9F
}
```

## Border

The CSS property to change the border of an element to Hex 1B0F9F 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
#1B0F9F }
```

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

```
.border{ border-color:#1B0F9F }
```

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

Here you see how a box with a 4 pixel #1B0F9F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B0F9F; -webkit-box-shadow:4px 4px  
4px 4px #1B0F9F; box-shadow:4px 4px 4px  
4px #1B0F9F }
```

# Background

The CSS property to change the background color of an element to Hex 1B0F9F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B0F9F }
```

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

```
.background{ background-color:#1B0F9F }
```

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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