

# Converting Colors

Hex(1B219E)

Have a look what the booklet for  
Hex(1B219E) contains.

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# Color

**Hex(1B219E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1B219E
RGB	27, 33, 158
RGB Percent	11%, 13%, 62%
CMY	0.8941, 0.8706, 0.3804
CMYK	0.83, 0.79, 0.00, 0.38
HSL	237°, 71%, 36%
HSV	237°, 83%, 62%
XYZ	7.1674, 3.7893, 32.7014
YIQ	45.4560, -43.7010, 37.6030

# Conversions

## Conversions Part 2

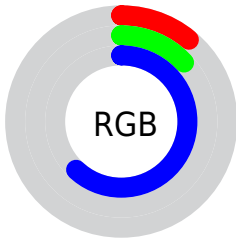
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 33, 158
Decimal	1778078
CIE <sub>Lab</sub>	22.96, 43.30, -66.76
CIE <sub>LCh</sub>	23, 79.572, 302.967
Yxy	3.7893, 0.1642, 0.0868
Android (android.graphics.Color)	4279968158 (0xFF1B219E)
YUV	45.4560, 55.4842, -16.1859
Hunter-Lab	19.4662, 31.6572, -85.9751

# Details

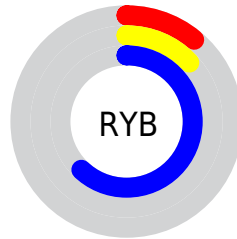
The Hex color **1B219E** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **9E981B**, and the grayscale version is **2D2D2D**.

A 20% lighter version of the original color is **6250D6**, and **000069** is the 20% darker color. If you saturate the color by 10%, you get **0B129E**, and if you desaturate by 10%, it is **2B309E**.

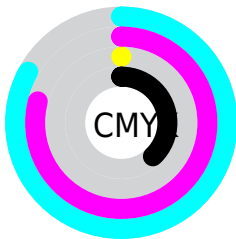
# Distribution



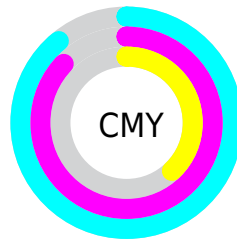
- Red (11%)
- Green (13%)
- Blue (62%)



- Red (11%)
- Yellow (13%)
- Blue (62%)



- Cyan (83%)
- Magenta (79%)
- Yellow (0%)
- Black (38%)



- Cyan (89%)
- Magenta (87%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B219E 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 1B219E by changing the saturation by 10% instead.



■ 1B219E

■ 1B219E

FFFFFF

■ 000A83

■ 6250D6

■ 000069

■ 8068F3

■ 000050

■ 9E82FF

■ 000538

■ BB9CFF

■ 000222

■ D9B7FF

■ 000007

■ F7D3FF

■ 000000

■ FFF0FF

■ 1B219E

■ 1B219E

■ 0B129E

■ 2B309E

■ 00079E

■ 3B3F9E

■ 4A4E9E

■ 5A5D9E

■ 6A6C9E

■ 7A7B9E

■ 8A8B9E

■ 999A9E

■ A9A99E

# Harmonies

## Analogous

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



0040B3



1B219E



7C006E

# Triad

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



1B219E



6C1700



004A3C

# Complementary

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



1B219E



9E981B

# 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.



004800



1B219E



3F3700

# Square

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



1B219E



8C0000



004300



004B78

# Rectangle

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



1B219E



910048



004300



004926



# Sweetspot

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



1B219E



9B9DCF



1B9E97



494B69



E8E8E8



696969



# Same Dimension

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



1B219E



020BCF



561B9E



47484F



00078F



00010F



# Inverse Universe

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



9E1B21



CF020B



639E1B



4F4748



8F0007

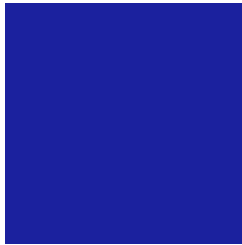


0F0001



# Previews

## White Background



This preview shows how the Hex color 1B219E looks on a white background.

## Color Contrast Check

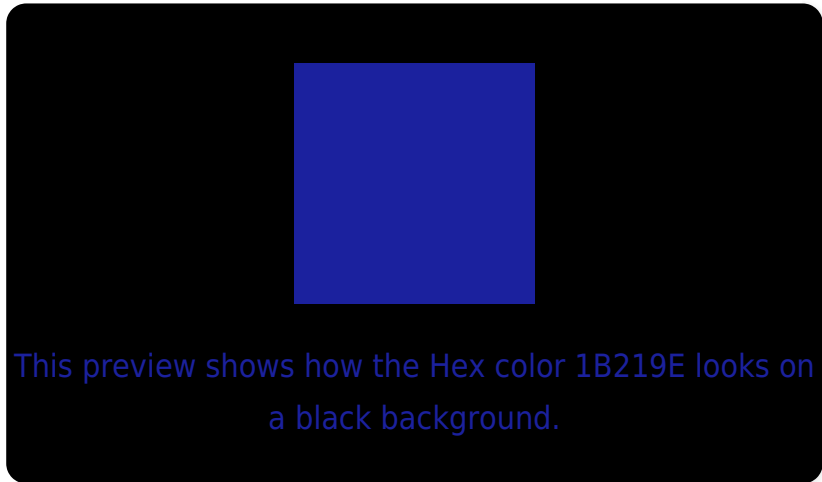
Large Text (above 18pt) WCAG AA ✓ Pass

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

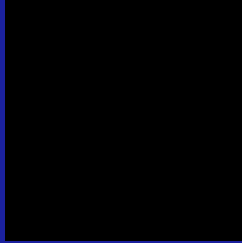
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1B219E Background



This preview shows how black text looks on a background with the Hex color 1B219E.



This preview shows how white text looks on a background with the Hex color 1B219E.

# 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**  
1B219E

**Protanopia**  
003570

**Deuteranopia**  
00395F



**Tritanopia**  
003D41

# Trichromacy



**Original Color**  
1B219E

**Protanomaly**  
0A2E81

**Deuteranomaly**  
0A3076

**Tritanomaly**  
0A3363

# Monochromacy



**Original Color**  
1B219E

**Achromatopsia**  
2D2D2D

**Achromatomaly**  
262956

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B219E 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 #1B219E looks like.

```
.text, #text, p{  
    color:#1B219E  
}
```

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 #1B219E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B219E
}
```

## Border

The CSS property to change the border of an element to Hex 1B219E 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
#1B219E }
```

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

```
.border{ border-color:#1B219E }
```

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

Here you see how a box with a 4 pixel #1B219E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B219E; -webkit-box-shadow:4px 4px  
4px 4px #1B219E; box-shadow:4px 4px 4px  
4px #1B219E }
```

# Background

The CSS property to change the background color of an element to Hex 1B219E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B219E }
```

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

```
.background{ background-color:#1B219E }
```

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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