

# Converting Colors

Hex(171BD4)

Have a look what the booklet for  
Hex(171BD4) contains.

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# Color

**Hex(171BD4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	171BD4
RGB	23, 27, 212
RGB Percent	9%, 11%, 83%
CMY	0.9098, 0.8941, 0.1686
CMYK	0.89, 0.87, 0.00, 0.17
HSL	239°, 80%, 46%
HSV	239°, 89%, 83%
XYZ	12.6289, 5.7195, 62.7257
YIQ	46.8940, -61.7690, 56.6870

# Conversions

## Conversions Part 2

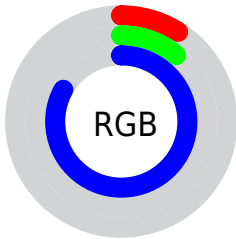
<b>Format</b>	<b>Color</b>
<b>RYB</b>	23, 27, 212
Decimal	1514452
CIELab	28.69, 62.50, -89.36
CIELCh	29, 109.044, 304.969
Yxy	5.7195, 0.1558, 0.0705
Android (android.graphics.Color)	4279704532 (0xFF171BD4)
YUV	46.8940, 81.3973, -20.9550
Hunter-Lab	23.9155, 52.4078, -138.7656

# Details

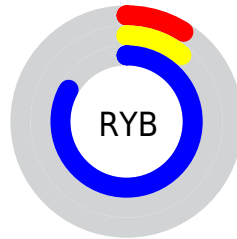
The Hex color **171BD4** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **D4D017**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **704FFF**, and **00009C** is the 20% darker color. If you saturate the color by 10%, you get **0206D4**, and if you desaturate by 10%, it is **2C30D4**.

# Distribution



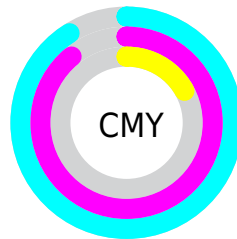
- Red (9%)
- Green (11%)
- Blue (83%)



- Red (9%)
- Yellow (11%)
- Blue (83%)



- Cyan (89%)
- Magenta (87%)
- Yellow (0%)
- Black (17%)




- Cyan (91%)
- Magenta (89%)
- Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 171BD4 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 171BD4 by changing the saturation by 10% instead.



 171BD4

 171BD4

FFFFFF

 0000B7

 704FFF

 00009C

 9269FF

 000081

 B283FF

 000666


 D19EFF

 000A4D

 F1BAFF

 000535

 FFD6FF

 00021F

 FFF3FF

 000002

 000000

■ 171BD4

■ 171BD4

■ 0206D4

■ 2C30D4

■ 0004D4

■ 4145D4

■ 5759D4

■ 6C6ED4

■ 8183D4

■ 9698D4

■ ABACD4

■ C1C1D4

■ D6D6D4

# Harmonies

## Analogous

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



0051F5



171BD4



A9008D

# Triad

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



171BD4



881400



005C51

# Complementary

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



171BD4



D4D017

# 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.



005A00



171BD4



474600

# Square

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



171BD4



B50000



005500



005FA6

# Rectangle

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



171BD4



C20056



005500



005B33



# Sweetspot

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



171BD4



BABCFF



17D4CE



575880



000000



808080



# Same Dimension

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



171BD4



0005FF



6F17D4



60616B



0004AB



00012B



# Inverse Universe

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



D4171B



FF0005



7CD417



6B6061



AB0004

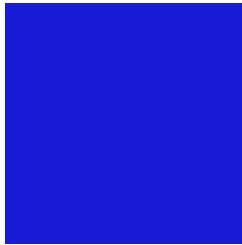


2B0001



# Previews

## White Background



This preview shows how the Hex color 171BD4 looks on a white background.

## Color Contrast Check

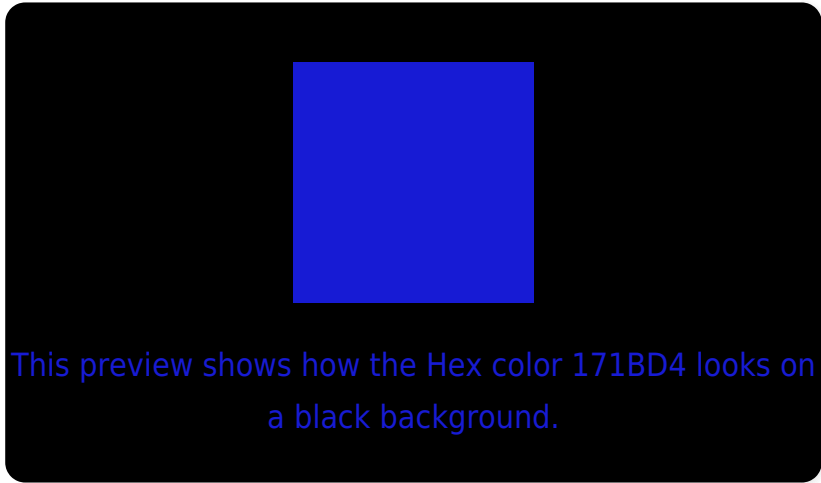
Large Text (above 18pt) WCAG AA ✓ Pass

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

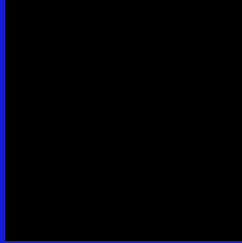
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 171BD4 Background



This preview shows how black text looks on a background with the Hex color 171BD4.



This preview shows how white text looks on a background with the Hex color 171BD4.

# 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**  
171BD4

**Protanopia**  
004189

**Deuteranopia**  
004674



**Tritanopia**  
004B4F

# Trichromacy



**Original Color**

171BD4

**Protanomaly**

0833A4

**Deuteranomaly**

083697

**Tritanomaly**

083A7F

# Monochromacy



**Original Color**

171BD4

**Achromatopsia**

2F2F2F

**Achromatomaly**

26286B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 171BD4 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 #171BD4 looks like.

```
.text, #text, p{  
    color:#171BD4  
}
```

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 #171BD4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #171BD4
}
```

## Border

The CSS property to change the border of an element to Hex 171BD4 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".

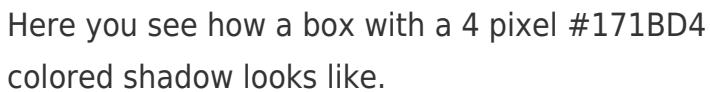
```
.border, #border, table{ border:4px solid
#171BD4 }
```

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

```
.border{ border-color:#171BD4 }
```

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

Here you see how a box with a 4 pixel #171BD4 colored shadow looks like.

A rectangular box with a thick blue border and a blue shadow. The shadow is visible on the right and bottom edges of the box, indicating a 4-pixel offset in both directions.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #171BD4; -webkit-box-shadow:4px 4px  
4px 4px #171BD4; box-shadow:4px 4px 4px  
4px #171BD4 }
```

# Background

The CSS property to change the background color of an element to Hex 171BD4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#171BD4 }
```

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

```
.background{ background-color:#171BD4 }
```

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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