

# Converting Colors

Hex(BD31F5)

Have a look what the booklet for  
Hex(BD31F5) contains.

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# Color

Hex(**BD31F5**)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD31F5
RGB	189, 49, 245
RGB Percent	74%, 19%, 96%
CMY	0.2588, 0.8078, 0.0392
CMYK	0.23, 0.80, 0.00, 0.04
HSL	283°, 91%, 58%
HSV	283°, 80%, 96%
XYZ	38.5660, 19.6080, 88.1383
YIQ	113.2040, 20.5240, 90.6360

# Conversions

## Conversions Part 2

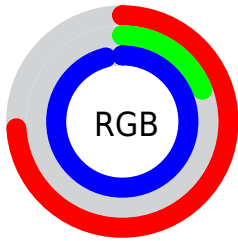
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	189, 49, 245
Decimal	12399093
CIE <sub>Lab</sub>	51.39, 79.68, -70.20
CIE <sub>LCh</sub>	51, 106.197, 318.619
Yxy	19.6080, 0.2636, 0.1340
Android (android.graphics.Color)	4290589173 (0xFFBD31F5)
YUV	113.2040, 64.9754, 66.4731
Hunter-Lab	44.2809, 77.9710, -87.0162

# Details

The Hex color **BD31F5** is a light color, and the websafe version is hex **CC33FF**. The color can be described as light washed purple. A complement of this color would be **69F531**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **FA70FF**, and **8200BC** is the 20% darker color. If you saturate the color by 10%, you get **B618F5**, and if you desaturate by 10%, it is **C44AF5**.

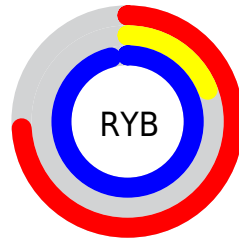
# Distribution



Red (74%)

Green (19%)

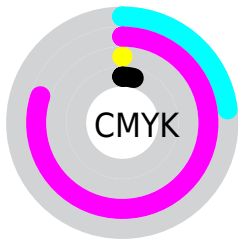
Blue (96%)



Red (74%)

Yellow (19%)

Blue (96%)

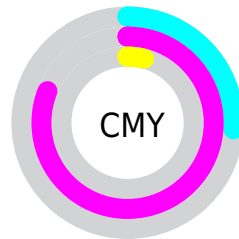


Cyan (23%)

Magenta (80%)

Yellow (0%)

Black (4%)



Cyan (26%)

Magenta (81%)

Yellow (4%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BD31F5 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 BD31F5 by changing the saturation by 10% instead.



 BD31F5

 BD31F5

FFFFFF

 9F00D8

 FA70FF

 8200BC

 FF8DFF

 6400A0

 FFABFF

 460085

 FFC8FF

 27006B

 FFE6FF

 000051

 000539

 000222

 000009

 BD31F5

 BD31F5

 B618F5

 C44AF5

 AF00F5

 CB62F5

 D27BF5

 D993F5

 E0ABF5

 E7C4F5

 EEDDF5

 F5F5F5

 FCFFF5

# Harmonies

## Analogous

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



0074FF



BD31F5



FF00A1

# Triad

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



BD31F5



B26A00



009DB3

# Complementary

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



BD31F5



69F531

# 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.



009A53



BD31F5



5F8700

# Square

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



BD31F5



EE2900



009500



009CFF

# Rectangle

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



BD31F5



FF0065



009500



009C94



# Sweetspot

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



BD31F5



EEC2FF



316CF5



755B80



000000



808080



# Same Dimension

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



BD31F5



B90AFF



F531CE



776E7A



8500BA



2A003B



# Inverse Universe

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



F53169



FF0A50



31F558



7A6E72



BA0035

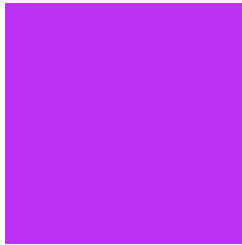


3B0011



# Previews

## White Background



This preview shows how the Hex color BD31F5 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black 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 × Fail

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



## Hex BD31F5 Background



This preview shows how black text looks on a background with the Hex color BD31F5.

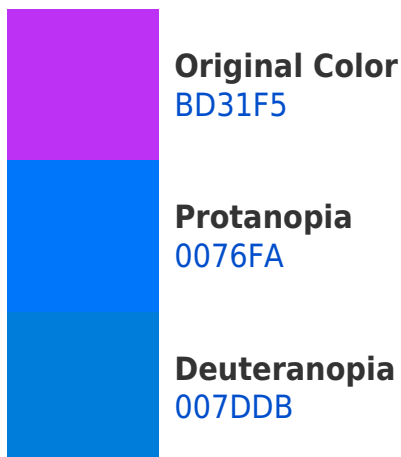


This preview shows how white text looks on a background with the Hex color BD31F5.

# 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](#).

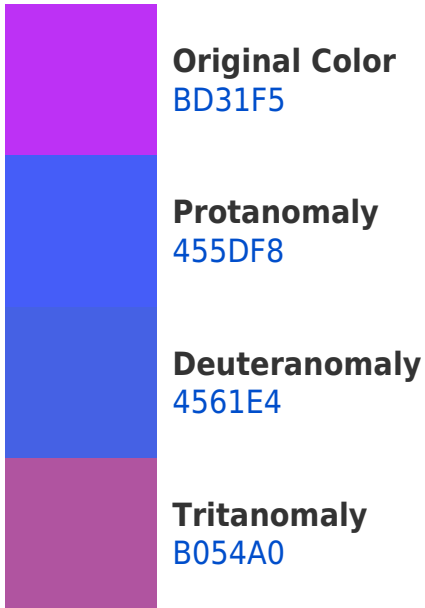
## Dichromacy



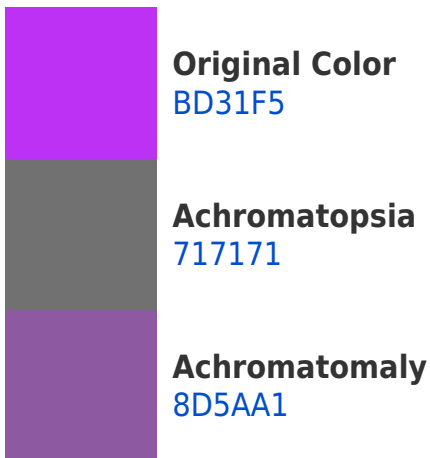


**Tritanopia**  
A96870

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex BD31F5 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 #BD31F5 looks like.

```
.text, #text, p{  
    color:#BD31F5  
}
```

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 #BD31F5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BD31F5
}
```

## Border

The CSS property to change the border of an element to Hex BD31F5 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
#BD31F5 }
```

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

```
.border{ border-color:#BD31F5 }
```

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

Here you see how a box with a 4 pixel #BD31F5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BD31F5; -webkit-box-shadow:4px 4px  
4px 4px #BD31F5; box-shadow:4px 4px 4px  
4px #BD31F5 }
```

# Background

The CSS property to change the background color of an element to Hex BD31F5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BD31F5 }
```

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

```
.background{ background-color:#BD31F5 }
```

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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