

# Converting Colors

Hex(BD40F7)

Have a look what the booklet for  
Hex(BD40F7) contains.

<b>Hex(BD40F7)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(**BD40F7**)

# Conversions

## Conversions Part 1

Format	Color
Hex	BD40F7
RGB	189, 64, 247
RGB Percent	74%, 25%, 97%
CMY	0.2588, 0.7490, 0.0314
CMYK	0.23, 0.74, 0.00, 0.03
HSL	281°, 92%, 61%
HSV	281°, 74%, 97%
XYZ	39.6082, 21.2010, 90.0003
YIQ	122.2370, 15.7570, 83.4130

# Conversions

## Conversions Part 2

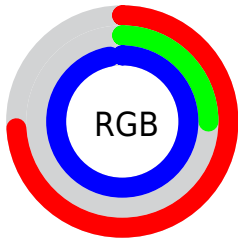
Format	Color
R <sub>YB</sub>	189, 64, 247
Decimal	12402935
CIE Lab	53.17, 75.33, -68.44
CIE LCh	53, 101.775, 317.742
Yxy	21.2010, 0.2626, 0.1406
Android (android.graphics.Color)	4290593015 (0xFFBD40F7)
YUV	122.2370, 61.5082, 58.5512
Hunter-Lab	46.0446, 72.9702, -83.6591

# Details

The Hex color **BD40F7** 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 **7AF740**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **F97BFF**, and **8200BE** is the 20% darker color. If you saturate the color by 10%, you get **B527F7**, and if you desaturate by 10%, it is **C559F7**.

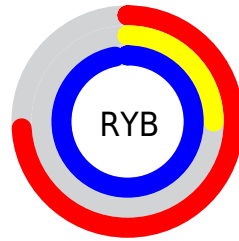
# Distribution



Red (74%)

Green (25%)

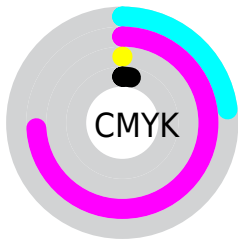
Blue (97%)



Red (74%)

Yellow (25%)

Blue (97%)

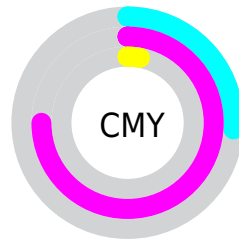


Cyan (23%)

Magenta (74%)

Yellow (0%)

Black (3%)



Cyan (26%)

Magenta (75%)

Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BD40F7 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 BD40F7 by changing the saturation by 10% instead.



 BD40F7

 BD40F7

FFFFFF

 9F1BDA

 F97BFF

 8200BE

 FF98FF

 6500A2

 FFB5FF

 470087

 FFD2FF

 28006C

 FFF0FF

 000053

 00033B

 000224

 00000C

 BD40F7

 BD40F7

 B527F7

 C559F7

 AD0FF7

 CD71F7

 A900F7

 D48AF7

 DCA3F7

 E4BCF7

 ECD4F7

 F4EDF7

 FCFFF7

 FFFFF7

# Harmonies

## Analogous

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



0079FF



BD40F7



FF00A7

# Triad

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



BD40F7



B86E00



00A1B3

# Complementary

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



BD40F7



7AF740

# 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.



009F56



BD40F7



6A8B00

# Square

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



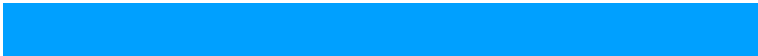
BD40F7



F13500



009900



00A0FF

# Rectangle

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



BD40F7



FF006D



009900



00A194



# Sweetspot

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



BD40F7



EDC7FF



407DF7



755E80



000000



808080



# Same Dimension

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



BD40F7



B71CFF



F740D8



776E7A



7F00BA



28003B



# Inverse Universe

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



F7407A



FF1C64



40F75E



7A6E72



BA003B

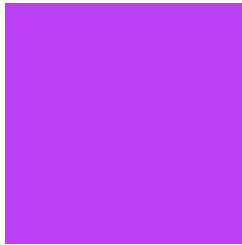


3B0013



# Previews

## White Background



This preview shows how the Hex color BD40F7 looks on a white background.

## Color Contrast Check

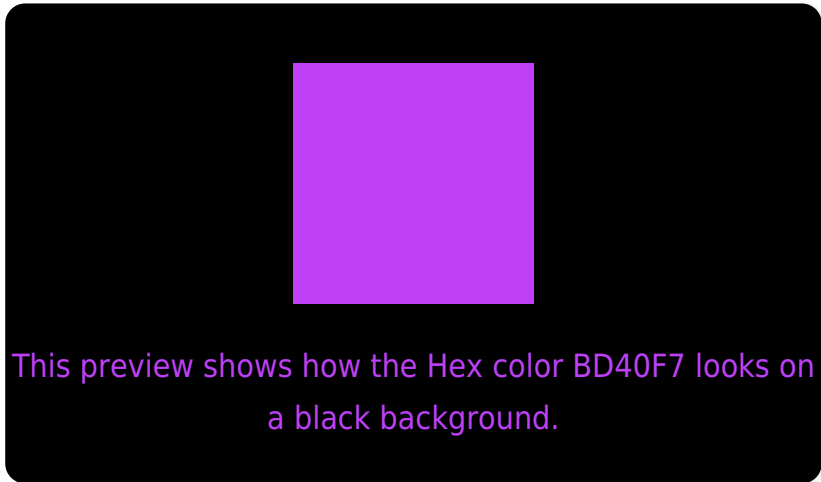
Large Text (above 18pt) WCAG AA ✓ Pass

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

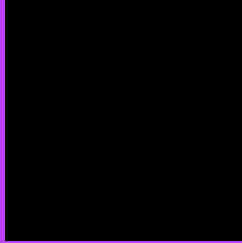
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex BD40F7 Background



This preview shows how black text looks on a background with the Hex color BD40F7.

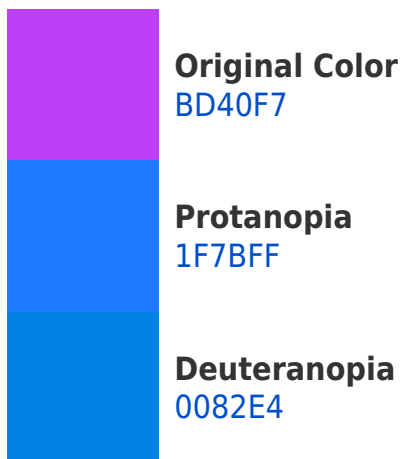


This preview shows how white text looks on a background with the Hex color BD40F7.

# 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](#).

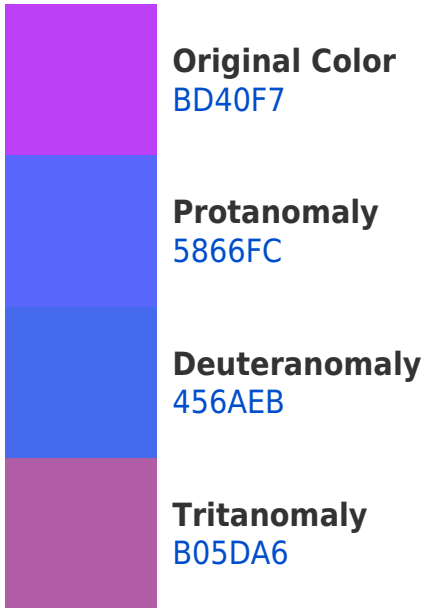
## Dichromacy



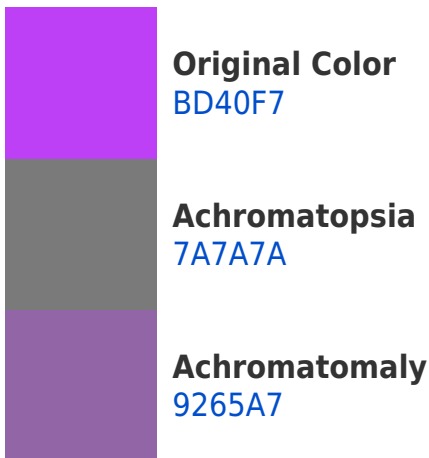


**Tritanopia**  
A96E77

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex BD40F7 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 #BD40F7 looks like.

```
.text, #text, p{  
    color:#BD40F7  
}
```

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 #BD40F7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BD40F7
}
```

## Border

The CSS property to change the border of an element to Hex BD40F7 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
#BD40F7 }
```

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

```
.border{ border-color:#BD40F7 }
```

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

Here you see how a box with a 4 pixel #BD40F7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BD40F7; -webkit-box-shadow:4px 4px  
4px 4px #BD40F7; box-shadow:4px 4px 4px  
4px #BD40F7 }
```

# Background

The CSS property to change the background color of an element to Hex BD40F7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BD40F7 }
```

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

```
.background{ background-color:#BD40F7 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor