

# Converting Colors

Hex(B40AFF)

Have a look what the booklet for  
Hex(B40AFF) contains.

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**Color**

**Hex(B40AFF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B40AFF
RGB	180, 10, 255
RGB Percent	71%, 4%, 100%
CMY	0.2941, 0.9608, 0.0000
CMYK	0.29, 0.96, 0.00, 0.00
HSL	282°, 100%, 52%
HSV	282°, 96%, 100%
XYZ	36.9809, 17.1404, 95.9671
YIQ	88.7600, 22.6750, 112.2350

# Conversions

## Conversions Part 2

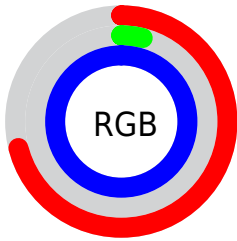
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 10, 255
Decimal	11799295
CIE <sub>Lab</sub>	48.44, 87.28, -80.66
CIE <sub>LCh</sub>	48, 118.841, 317.256
Yxy	17.1404, 0.2464, 0.1142
Android (android.graphics.Color)	4289989375 (0xFFB40AFF)
<b>YUV</b>	88.7600, 81.9563, 80.0175
Hunter-Lab	41.4009, 86.9915, -108.4531

# Details

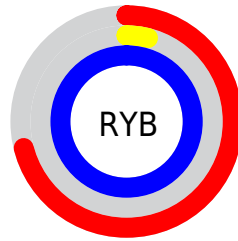
The Hex color **B40AFF** is a dark color, and the websafe version is hex **CC00FF**. The color can be described as middle saturated purple. A complement of this color would be **55FF0A**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **F25EFF**, and **7700C5** is the 20% darker color. If you saturate the color by 10%, you get **B100FF**, and if you desaturate by 10%, it is **BC23FF**.

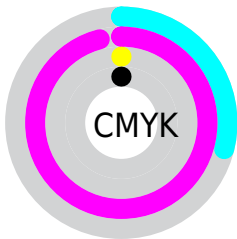
# Distribution



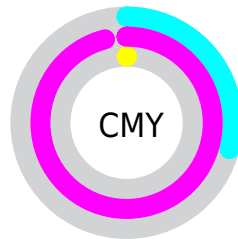
- Red (71%)
- Green (4%)
- Blue (100%)



- Red (71%)
- Yellow (4%)
- Blue (100%)



- Cyan (29%)
- Magenta (96%)
- Yellow (0%)
- Black (0%)



- Cyan (29%)
- Magenta (96%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B40AFF 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 B40AFF by changing the saturation by 10% instead.



 B40AFF

 B40AFF

FFFFFF

 9500E2

 F25EFF

 7700C5

 FF7DFF

 5700A9

 FF9AFF

 35008D

 FFB8FF

 080073

 FFD6FF

 000059

 FFF4FF

 000740

 000329

 000113

 B40AFF

 B40AFF

 B100FF

 BC23FF

 C43DFF

 CB57FF

 D370FF

 DB8AFF

 E3A3FF

 EBBDFE

 F2D6FE

 FAF0FE

# Harmonies

## Analogous

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



006FFF



B40AFF



FF00A2

# Triad

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



B40AFF



AF5F00



0096AD

# Complementary

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



B40AFF



55FF0A

# 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.



009342



B40AFF



548000

# Square

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



B40AFF



F00000



008E00



0097FF

# Rectangle

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



B40AFF



FF0061



008E00



00958A



# Sweetspot

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



B40AFF



E8B5FF



0A58FF



725380



000000



808080



# Same Dimension

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



B40AFF



B100FF



FF0AD2



7C7380



8500BF



2C0040



# Inverse Universe

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



FF0A55



FF004E



0AFF37



807377



BF003B



400014



# Previews

## White Background



This preview shows how the Hex color B40AFF looks on a white background.

## Color Contrast Check

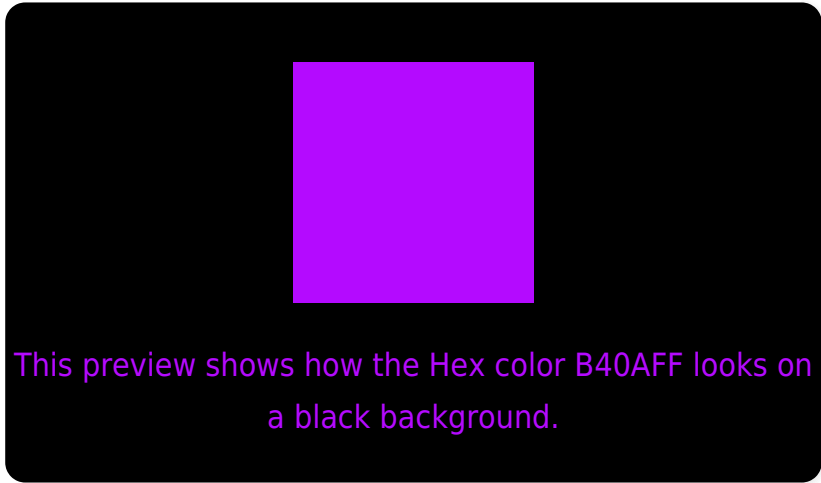
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

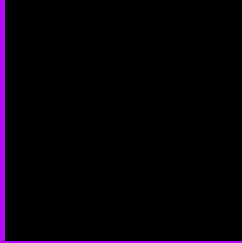
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex B40AFF Background



This preview shows how black text looks on a background with the Hex color B40AFF.



This preview shows how white text looks on a background with the Hex color B40AFF.

# 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**  
B40AFF

**Protanopia**  
0070EB

**Deuteranopia**  
0077CC



**Tritanopia**  
9B646B

# Trichromacy



**Original Color**  
B40AFF



**Protanomaly**  
414BF2



**Deuteranomaly**  
414FDF



**Tritanomaly**  
A443A1

# Monochromacy



**Original Color**  
B40AFF



**Achromatopsia**  
595959



**Achromatomaly**  
7A3C95

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B40AFF 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 #B40AFF looks like.

```
.text, #text, p{  
    color:#B40AFF  
}
```

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 #B40AFF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B40AFF
}
```

## Border

The CSS property to change the border of an element to Hex B40AFF 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".

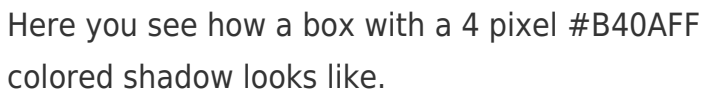
```
.border, #border, table{ border:4px solid
#B40AFF }
```

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

```
.border{ border-color:#B40AFF }
```

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

Here you see how a box with a 4 pixel #B40AFF colored shadow looks like.

A rectangular box with a thick purple border and a purple shadow. The box is white with a purple border and a purple shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B40AFF; -webkit-box-shadow:4px 4px  
4px 4px #B40AFF; box-shadow:4px 4px 4px  
4px #B40AFF }
```

# Background

The CSS property to change the background color of an element to Hex B40AFF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B40AFF }
```

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

```
.background{ background-color:#B40AFF }
```

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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