

# Converting Colors

Hex(B021FF)

Have a look what the booklet for  
Hex(B021FF) contains.

<b>Hex(B021FF)</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(B021FF)

# Conversions

## Conversions Part 1

Format	Color
Hex	B021FF
RGB	176, 33, 255
RGB Percent	69%, 13%, 100%
CMY	0.3098, 0.8706, 0.0000
CMYK	0.31, 0.87, 0.00, 0.00
HSL	279°, 100%, 56%
HSV	279°, 87%, 100%
XYZ	36.4984, 17.5378, 96.0692
YIQ	101.0650, 13.9660, 99.3580

# Conversions

## Conversions Part 2

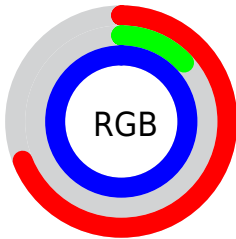
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	176, 33, 255
Decimal	11543039
CIE <sub>Lab</sub>	48.93, 83.55, -79.88
CIE <sub>LCh</sub>	49, 115.590, 316.289
Y <sub>xy</sub>	17.5378, 0.2432, 0.1168
Android (android.graphics.Color)	4289733119 (0xFFB021FF)
Y <sub>UV</sub>	101.0650, 75.8900, 65.7180
Hunter-Lab	41.8782, 82.2824, -106.6975

# Details

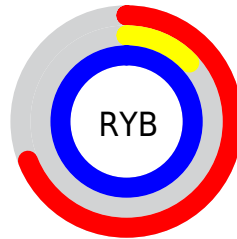
The Hex color **B021FF** is a light color, and the websafe version is hex **9933FF**. The color can be described as light washed purple. A complement of this color would be **70FF21**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **ED66FF**, and **7300C5** is the 20% darker color. If you saturate the color by 10%, you get **A708FF**, and if you desaturate by 10%, it is **B93AFF**.

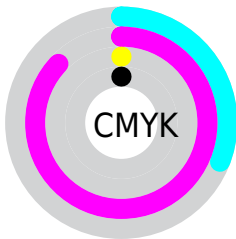
# Distribution



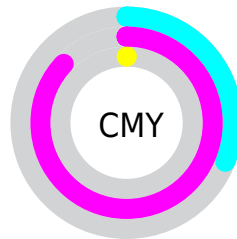
- Red (69%)
- Green (13%)
- Blue (100%)



- Red (69%)
- Yellow (13%)
- Blue (100%)



- Cyan (31%)
- Magenta (87%)
- Yellow (0%)
- Black (0%)



- Cyan (31%)
- Magenta (87%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B021FF 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 B021FF by changing the saturation by 10% instead.



 B021FF

 B021FF

FFFFFF

 9200E2

 ED66FF

 7300C5

 FF83FF

 5400A9

 FFA1FF

 31008D


 FFBEFF

 000073


 FFDCFF

 000059

 FFFAFF

 000740

 000329

 000113

 B021FF

 B021FF

 A708FF

 B93AFF

 A400FF

 C254FF

 CB6DFF

 D487FF

 DDA1FF

 E6BAFF

 F0D3FF

 F9EDFF

FFFFFF

# Harmonies

## Analogous

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



0072FF



B021FF



FF00A6

# Triad

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



B021FF



B25F00



0097A9

# Complementary

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



B021FF



70FF21

# 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.



009441



B021FF



5B8000

# Square

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



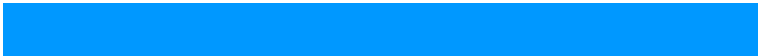
B021FF



F10000



008F00



0098FF

# Rectangle

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



B021FF



FF0065



008F00



009688



# Sweetspot

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



B021FF



E7BDFF



2172FF



715880



000000



808080



# Same Dimension

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



B021FF



A400FF



FF21E1



7B7380



7B00BF



290040



# Inverse Universe

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



FF2170



FF005B



21FF3F



807377



BF0044



400017



# Previews

## White Background



This preview shows how the Hex color B021FF 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 ✓ 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 B021FF Background



This preview shows how black text looks on a background with the Hex color B021FF.

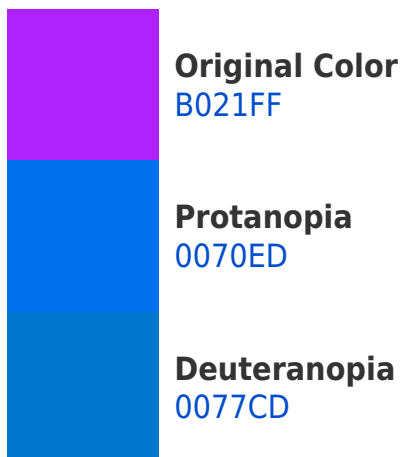



This preview shows how white text looks on a background with the Hex color B021FF.

# 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**  
97676F

# Trichromacy



**Original Color**  
B021FF



**Protanomaly**  
4053F4



**Deuteranomaly**  
4058DF



**Tritanomaly**  
A04EA3

# Monochromacy



**Original Color**  
B021FF



**Achromatopsia**  
656565



**Achromatomaly**  
804C9D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B021FF 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 #B021FF looks like.

```
.text, #text, p{  
    color:#B021FF  
}
```

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 #B021FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B021FF
}
```

## Border

The CSS property to change the border of an element to Hex B021FF 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".

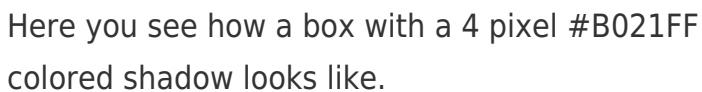
```
.border, #border, table{ border:4px solid
#B021FF }
```

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

```
.border{ border-color:#B021FF }
```

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

Here you see how a box with a 4 pixel #B021FF 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 #B021FF; -webkit-box-shadow:4px 4px  
4px 4px #B021FF; box-shadow:4px 4px 4px  
4px #B021FF }
```

# Background

The CSS property to change the background color of an element to Hex B021FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B021FF }
```

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

```
.background{ background-color:#B021FF }
```

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