

# Converting Colors

Hex(4B13F2)

Have a look what the booklet for  
Hex(4B13F2) contains.

<b>Hex(4B13F2)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(4B13F2)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4B13F2
RGB	75, 19, 242
RGB Percent	29%, 7%, 95%
CMY	0.7059, 0.9255, 0.0510
CMYK	0.69, 0.92, 0.00, 0.05
HSL	255°, 90%, 51%
HSV	255°, 92%, 95%
XYZ	19.1615, 8.3724, 84.6105
YIQ	61.1660, -38.2070, 81.2250

# Conversions

## Conversions Part 2

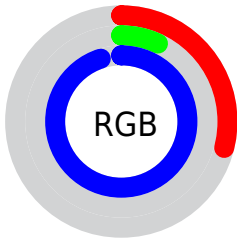
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	75, 19, 242
Decimal	4920306
CIE Lab	34.75, 74.44, -96.38
CIE LCh	35, 121.782, 307.683
Yxy	8.3724, 0.1709, 0.0747
Android (android.graphics.Color)	4283110386 (0xFF4B13F2)
YUV	61.1660, 89.1512, 12.1324
Hunter-Lab	28.9351, 67.5706, -153.1181

# Details

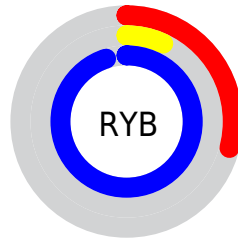
The Hex color **4B13F2** is a dark color, and the websafe version is hex **6600FF**. The color can be described as dark washed blue. A complement of this color would be **BAF213**, and the grayscale version is **3C3C3C**.

A 20% lighter version of the original color is **9351FF**, and **0000B8** is the 20% darker color. If you saturate the color by 10%, you get **3D00F2**, and if you desaturate by 10%, it is **5D2BF2**.

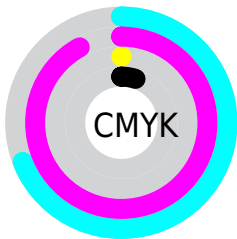
# Distribution



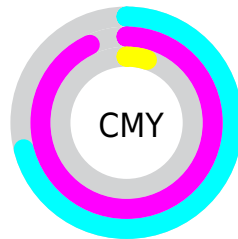
- Red (29%)
- Green (7%)
- Blue (95%)



- Red (29%)
- Yellow (7%)
- Blue (95%)



- Cyan (69%)
- Magenta (92%)
- Yellow (0%)
- Black (5%)



- Cyan (71%)
- Magenta (93%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4B13F2 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 4B13F2 by changing the saturation by 10% instead.



 4B13F2

 4B13F2

FFFFFF

 0F00D5

 9351FF

 0000B8

 B36CFF

 00009C

 D388FF

 000081

 F3A4FF

 000B66

 FFC0FF

 000A4D

 FFDDFF

 000536

 FFFBFF

 00021F

 000003

■ 4B13F2

■ 4B13F2

■ 3D00F2

■ 5D2BF2

■ 6F43F2

■ 815CF2

■ 9374F2

■ A68CF2

■ B8A4F2

■ CABCF2

■ DCD5F2

■ EEEDF2

# Harmonies

## Analogous

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



005EFF



4B13F2



CC009E

# Triad

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



4B13F2



9B2700



006E6A

# Complementary

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



4B13F2



BAF213

# 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.



006C00



4B13F2



4E5700

# Square

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



4B13F2



D20000



006700



0072CB

# Rectangle

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



4B13F2



E6005F



006700



006D48



# Sweetspot

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



4B13F2



CAB8FF



13BAF2



5F5480



000000



808080



# Same Dimension

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



4B13F2



4000FF



BA13F2



6F6C78



2E00B8



0E0038



# Inverse Universe

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



F213BA



FF00BF



4BF213



786C75



B80089

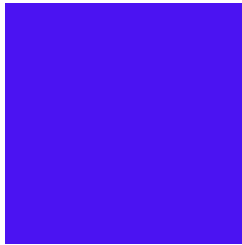


38002A



# Previews

## White Background



This preview shows how the Hex color 4B13F2 looks on a white background.

## Color Contrast Check

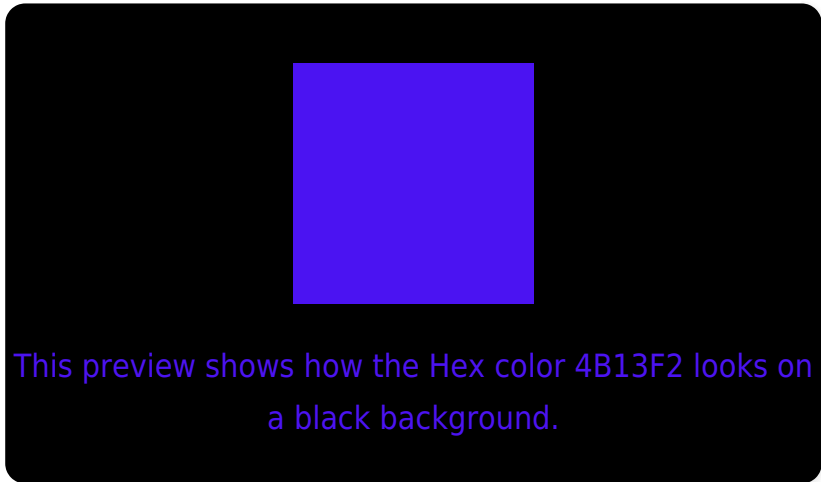
Large Text (above 18pt) WCAG AA ✓ Pass

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

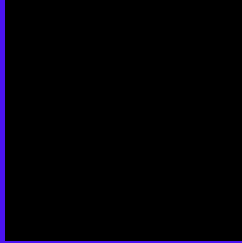
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4B13F2 Background



This preview shows how black text looks on a background with the Hex color 4B13F2.



This preview shows how white text looks on a background with the Hex color 4B13F2.

# 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**  
4B13F2

**Protanopia**  
004FA5

**Deuteranopia**  
00548D



**Tritanopia**  
005B60

# Trichromacy



**Original Color**  
4B13F2

**Protanomaly**  
1B39C1

**Deuteranomaly**  
1B3CB2

**Tritanomaly**  
1B4195

# Monochromacy



**Original Color**  
4B13F2

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
422E7F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4B13F2 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 #4B13F2 looks like.

```
.text, #text, p{  
    color:#4B13F2  
}
```

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 #4B13F2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4B13F2
}
```

## Border

The CSS property to change the border of an element to Hex 4B13F2 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
#4B13F2 }
```

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

```
.border{ border-color:#4B13F2 }
```

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

Here you see how a box with a 4 pixel #4B13F2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4B13F2; -webkit-box-shadow:4px 4px  
4px 4px #4B13F2; box-shadow:4px 4px 4px  
4px #4B13F2 }
```

# Background

The CSS property to change the background color of an element to Hex 4B13F2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4B13F2 }
```

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

```
.background{ background-color:#4B13F2 }
```

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**