

# Converting Colors

Hex(451BB1)

Have a look what the booklet for  
Hex(451BB1) contains.

<b>Hex(451BB1)</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(451BB1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	451BB1
RGB	69, 27, 177
RGB Percent	27%, 11%, 69%
CMY	0.7294, 0.8941, 0.3059
CMYK	0.61, 0.85, 0.00, 0.31
HSL	257°, 74%, 40%
HSV	257°, 85%, 69%
XYZ	10.7820, 5.2234, 42.0349
YIQ	56.6580, -23.1180, 55.5540

# Conversions

## Conversions Part 2

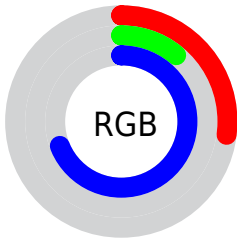
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 27, 177
Decimal	4529073
CIELab	27.36, 55.14, -70.87
CIELCh	27, 89.789, 307.884
Yxy	5.2234, 0.1858, 0.0900
Android (android.graphics.Color)	4282719153 (0xFF451BB1)
YUV	56.6580, 59.3286, 10.8239
Hunter-Lab	22.8548, 44.2136, -93.0490

# Details

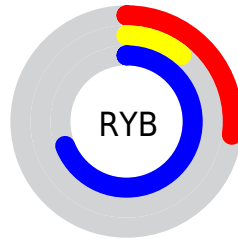
The Hex color **451BB1** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **87B11B**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **824FEA**, and **00007B** is the 20% darker color. If you saturate the color by 10%, you get **3809B1**, and if you desaturate by 10%, it is **522DB1**.

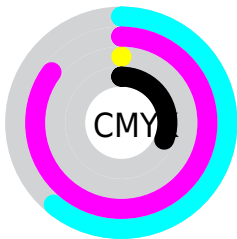
# Distribution



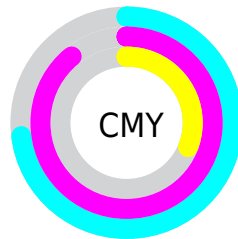
- Red (27%)
- Green (11%)
- Blue (69%)



- Red (27%)
- Yellow (11%)
- Blue (69%)



- Cyan (61%)
- Magenta (85%)
- Yellow (0%)
- Black (31%)



- Cyan (73%)
- Magenta (89%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 451BB1 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 451BB1 by changing the saturation by 10% instead.



451BB1

451BB1

FFFFFF

1F0096

824FEA

00007B

A069FF

000061

BE83FF

000848

DC9EFF

000431

FABAFF

00011B

FFD6FF

000000

FFF3FF

451BB1

451BB1

■ 3809B1

■ 522DB1

■ 3200B1

■ 5E3EB1

■ 6B50B1

■ 7862B1

■ 8573B1

■ 9185B1

■ 9E97B1

■ ABA9B1

■ B8BAB1

# Harmonies

## Analogous

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



0048CF



451BB1



990076

# Triad

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



451BB1



772500



005752

# Complementary

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



451BB1



87B11B

# 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.



005500



451BB1



404500

# Square

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



451BB1



9E0000



005000



005996

# Rectangle

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



451BB1



AB0049



005000



00563A



# Sweetspot

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



451BB1



BCACE6



1B89B1



5A5073



F2F2F2



737373



# Same Dimension

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



451BB1



4000E6



8E1BB1



535059



2B0099



07001A



# Inverse Universe

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



B11B87



E600A5



3EB11B



595057



99006E

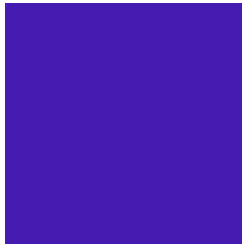


1A0012



# Previews

## White Background



This preview shows how the Hex color 451BB1 looks on a white background.

## Color Contrast Check

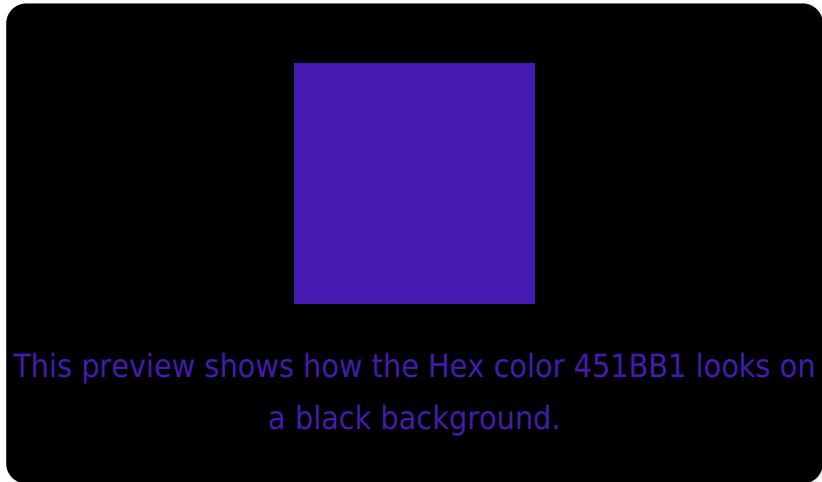
Large Text (above 18pt) WCAG AA ✓ Pass

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

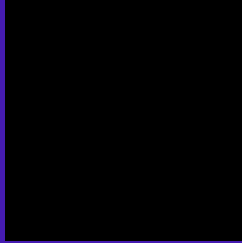
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 451BB1 Background



This preview shows how black text looks on a background with the Hex color 451BB1.

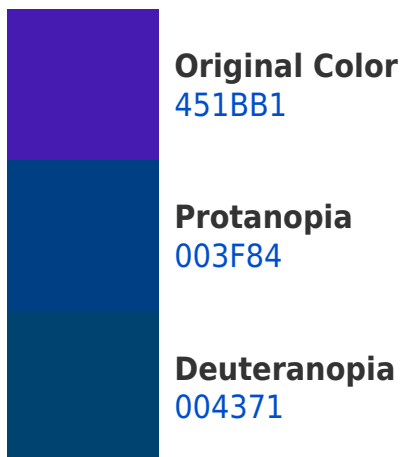


This preview shows how white text looks on a background with the Hex color 451BB1.

# 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**  
0E484E

# Trichromacy



**Original Color**  
451BB1

**Protanomaly**  
193294

**Deuteranomaly**  
193488

**Tritanomaly**  
223872

# Monochromacy



**Original Color**  
451BB1

**Achromatopsia**  
393939

**Achromatomaly**  
3D2E65

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 451BB1 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 #451BB1 looks like.

```
.text, #text, p{  
    color:#451BB1  
}
```

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 #451BB1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #451BB1
}
```

## Border

The CSS property to change the border of an element to Hex 451BB1 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".

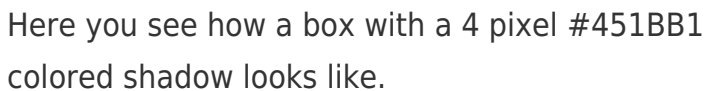
```
.border, #border, table{ border:4px solid
#451BB1 }
```

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

```
.border{ border-color:#451BB1 }
```

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

Here you see how a box with a 4 pixel #451BB1 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 #451BB1; -webkit-box-shadow:4px 4px  
4px 4px #451BB1; box-shadow:4px 4px 4px  
4px #451BB1 }
```

# Background

The CSS property to change the background color of an element to Hex 451BB1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#451BB1 }
```

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

```
.background{ background-color:#451BB1 }
```

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**