

# Converting Colors

Hex(B33BD7)

Have a look what the booklet for  
Hex(B33BD7) contains.

<b>Hex(B33BD7)</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(**B33BD7**)

# Conversions

## Conversions Part 1

Format	Color
Hex	B33BD7
RGB	179, 59, 215
RGB Percent	70%, 23%, 84%
CMY	0.2980, 0.7686, 0.1569
CMYK	0.17, 0.73, 0.00, 0.16
HSL	286°, 66%, 54%
HSV	286°, 73%, 84%
XYZ	32.4201, 17.6179, 65.9818
YIQ	112.6640, 21.4440, 73.9560

# Conversions

## Conversions Part 2

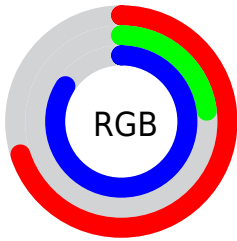
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 59, 215
Decimal	11746263
CIELab	49.03, 69.05, -57.13
CIELCh	49, 89.619, 320.399
Yxy	17.6179, 0.2794, 0.1519
Android (android.graphics.Color)	4289936343 (0xFFB33BD7)
YUV	112.6640, 50.4516, 58.1767
Hunter-Lab	41.9737, 64.4177, -63.8211

# Details

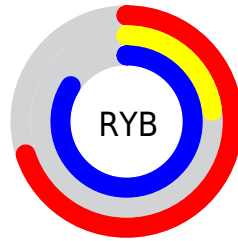
The Hex color **B33BD7** is a light color, and the websafe version is hex **9933CC**. The color can be described as light muted purple. A complement of this color would be **5FD73B**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **EE75FF**, and **7A009F** is the 20% darker color. If you saturate the color by 10%, you get **AE25D7**, and if you desaturate by 10%, it is **B851D7**.

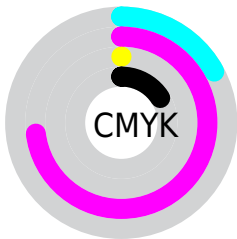
# Distribution



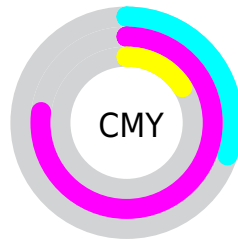
- Red (70%)
- Green (23%)
- Blue (84%)



- Red (70%)
- Yellow (23%)
- Blue (84%)



- Cyan (17%)
- Magenta (73%)
- Yellow (0%)
- Black (16%)



- Cyan (30%)
- Magenta (77%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B33BD7 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 B33BD7 by changing the saturation by 10% instead.



 B33BD7

 B33BD7

FFFFFF

 9617BB

 EE75FF

 7A009F

 FF91FF

 5D0084

 FFAEFF

 41006A

 FFCBFF

 270052

 FFE8FF

 000039

 000223

 000009

 000000

 B33BD7

 B33BD7

 AE25D7

 B851D7

 A910D7

 BD66D7

 A500D7

 C27CD7

 C791D7

 CCA7D7

 D1BCD7

 D6D2D7

 DBE7D7

 E0FCD7

# Harmonies

## Analogous

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



006CFF



B33BD7



EA0090

# Triad

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



B33BD7



A26900



0093A8

# Complementary

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



B33BD7



5FD73B

# 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.



009159



B33BD7



5D8000

# Square

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



B33BD7



D63E00



008C00



0091EA

# Rectangle

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



B33BD7



F4005E



008C00



00938E



# Sweetspot

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



B33BD7



F2C7FF



3B5FD7



785E80



000000



808080



# Same Dimension

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



B33BD7



CC21FF



D73BAD



69606B



8300AB



21002B



# Inverse Universe

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



D73B5F



FF2154



3BD765



6B6063



AB0027

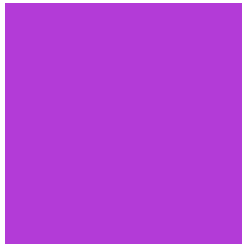


2B000A



# Previews

## White Background



This preview shows how the Hex color B33BD7 looks on a white background.

## Color Contrast Check

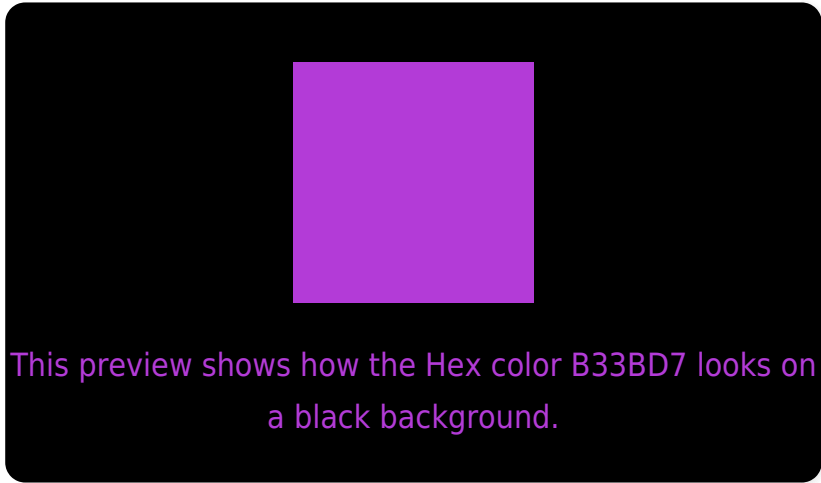
Large Text (above 18pt) WCAG AA ✓ Pass

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

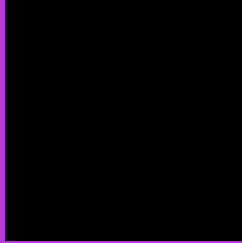
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex B33BD7 Background



This preview shows how black text looks on a background with the Hex color B33BD7.



This preview shows how white text looks on a background with the Hex color B33BD7.

# 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](#).

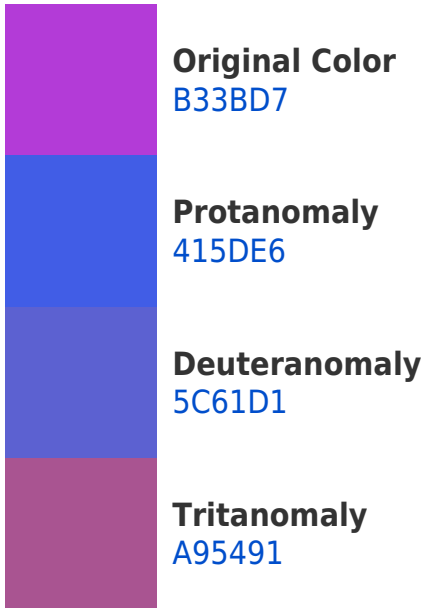
## Dichromacy





**Tritanopia**  
A36269

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B33BD7 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 #B33BD7 looks like.

```
.text, #text, p{  
    color:#B33BD7  
}
```

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 #B33BD7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B33BD7
}
```

## Border

The CSS property to change the border of an element to Hex B33BD7 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
#B33BD7 }
```

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

```
.border{ border-color:#B33BD7 }
```

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

Here you see how a box with a 4 pixel #B33BD7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B33BD7; -webkit-box-shadow:4px 4px  
4px 4px #B33BD7; box-shadow:4px 4px 4px  
4px #B33BD7 }
```

# Background

The CSS property to change the background color of an element to Hex B33BD7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B33BD7 }
```

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

```
.background{ background-color:#B33BD7 }
```

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