

# Converting Colors

Hex(B33A91)

Have a look what the booklet for  
Hex(B33A91) contains.

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# Color

**Hex(B33A91)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B33A91
RGB	179, 58, 145
RGB Percent	70%, 23%, 57%
CMY	0.2980, 0.7725, 0.4314
CMYK	0.00, 0.68, 0.19, 0.30
HSL	317°, 51%, 46%
HSV	317°, 68%, 70%
XYZ	25.2143, 14.6542, 28.2877
YIQ	104.0970, 44.1890, 52.7090

# Conversions

## Conversions Part 2

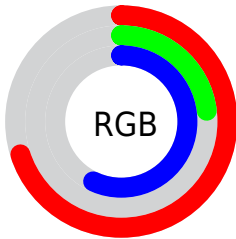
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 58, 145
Decimal	11745937
CIE <sub>Lab</sub>	45.16, 57.66, -22.17
CIE <sub>LCh</sub>	45, 61.781, 338.966
Yxy	14.6542, 0.3699, 0.2150
Android (android.graphics.Color)	4289936017 (0xFFB33A91)
YUV	104.0970, 20.1652, 65.6899
Hunter-Lab	38.2807, 50.5809, -17.0160

# Details

The Hex color **B33A91** is a dark color, and the websafe version is hex **CC3399**. A complement of this color would be **3AB35C**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **EE72C7**, and **7B005E** is the 20% darker color. If you saturate the color by 10%, you get **B3288C**, and if you desaturate by 10%, it is **B34C96**.

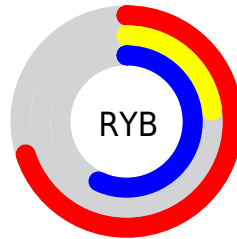
# Distribution



Red (70%)

Green (23%)

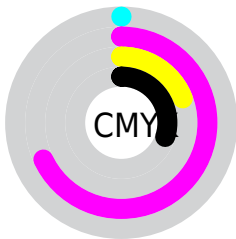
Blue (57%)



Red (70%)

Yellow (23%)

Blue (57%)

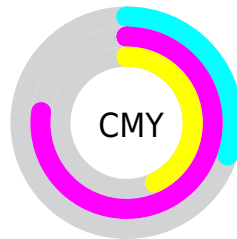


Cyan (0%)

Magenta (68%)

Yellow (19%)

Black (30%)



Cyan (30%)

Magenta (77%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B33A91 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 B33A91 by changing the saturation by 10% instead.



 B33A91

 B33A91

FFFFFF

 971977

 EE72C7

 7B005E

 FF8EE3

 5F0046

 FFAAFF

 450030

 FFC6FF

 2B001B

 FFE3FF

 000000

 B33A91

 B33A91

 B3288C

 B34C96

 B31687

 B35E9B

 B30482

 B370A0

 B30081

 B382A5

 B393AA

 B3A5AF

 B3B7B4

 B3C9B9

 B3DBBE

# Harmonies

## Analogous

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



7F55BC



B33A91



C52E5E

# Triad

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



B33A91



736E00



0081AB

# Complementary

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



B33A91



3AB35C

# 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.



008279



B33A91



3A7907

# Square

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



B33A91



9E5B00



007F43



007ACB

# Rectangle

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



B33A91



C1393C



007F43



00819C



# Sweetspot

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



B33A91



E8BADB



5A3AB3



75596D



F5F5F5



757575



# Same Dimension

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



B33A91



E82CB3



B33A56



595057



99006E



1A0012



# Inverse Universe

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



B33A91



E82CB3



3AB397



595057



99006E



1A0012



# Previews

## White Background



This preview shows how the Hex color B33A91 looks on a white background.

## Color Contrast Check

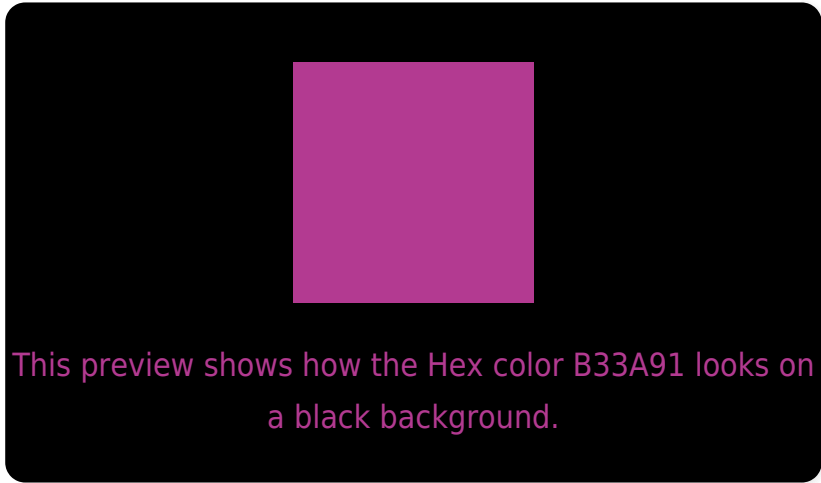
Large Text (above 18pt) WCAG AA ✓ Pass

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

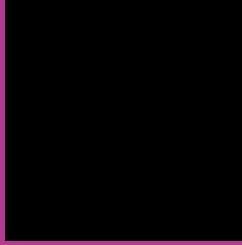
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex B33A91 Background



This preview shows how black text looks on a background with the Hex color B33A91.

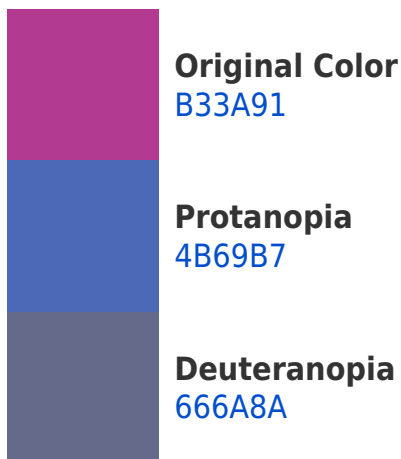



This preview shows how white text looks on a background with the Hex color B33A91.

# 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](#).

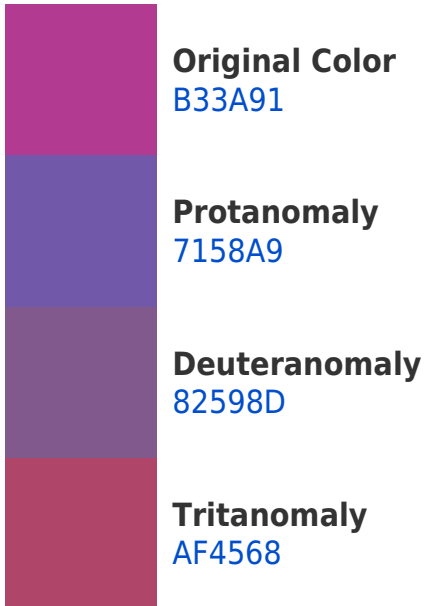
## Dichromacy



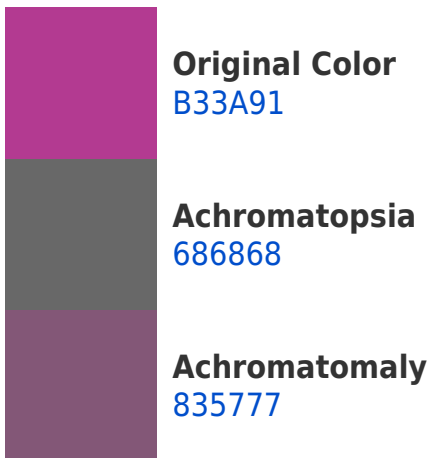


**Tritanopia**  
AD4C51

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B33A91 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 #B33A91 looks like.

```
.text, #text, p{  
    color:#B33A91  
}
```

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 #B33A91 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B33A91
}
```

## Border

The CSS property to change the border of an element to Hex B33A91 is called "border". The border property can be set on classes, ids or directly on the HTML element.

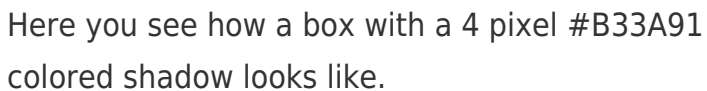
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B33A91 }
```

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

```
.border{ border-color:#B33A91 }
```

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



Here you see how a box with a 4 pixel `#B33A91` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B33A91; -webkit-box-shadow:4px 4px  
4px 4px #B33A91; box-shadow:4px 4px 4px  
4px #B33A91 }
```

# Background

The CSS property to change the background color of an element to Hex B33A91 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B33A91 }
```

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

```
.background{ background-color:#B33A91 }
```

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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