

# Converting Colors

Hex(B342AF)

Have a look what the booklet for  
Hex(B342AF) contains.

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# Color

Hex(B342AF)

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | B342AF                     |
| RGB           | 179, 66, 175               |
| RGB Percent   | 70%, 26%, 69%              |
| CMY           | 0.2980, 0.7412, 0.3137     |
| CMYK          | 0.00, 0.63, 0.02, 0.30     |
| HSL           | 302°, 46%, 48%             |
| HSV           | 302°, 63%, 70%             |
| XYZ           | 28.2765, 16.5753, 42.2665  |
| YIQ           | 112.2130, 32.3590, 57.8550 |

# Conversions

## Conversions Part 2

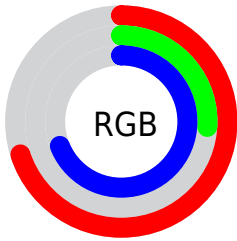
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>R<sub>YB</sub></b>               | 179, 66, 175                  |
| Decimal                             | 11748015                      |
| CIE <sub>Lab</sub>                  | 47.72, 59.13, -36.03          |
| CIE <sub>LCh</sub>                  | 48, 69.242, 328.641           |
| Yxy                                 | 16.5753, 0.3246,<br>0.1903    |
| Android<br>(android.graphics.Color) | 4289938095<br>(0xFFB342AF)    |
| YUV                                 | 112.2130, 30.9540,<br>58.5722 |
| Hunter-Lab                          | 40.7128, 52.7274,<br>-33.0537 |

# Details

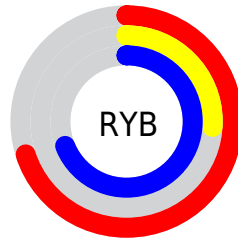
The Hex color **B342AF** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **42B346**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **ED79E7**, and **7B007A** is the 20% darker color. If you saturate the color by 10%, you get **B330AE**, and if you desaturate by 10%, it is **B354B0**.

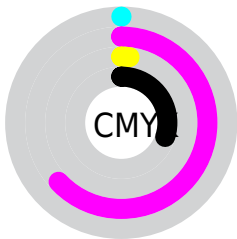
# Distribution



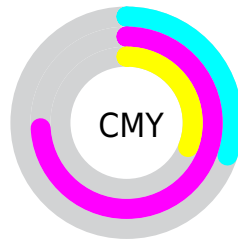
- Red (70%)
- Green (26%)
- Blue (69%)



- Red (70%)
- Yellow (26%)
- Blue (69%)



- Cyan (0%)
- Magenta (63%)
- Yellow (2%)
- Black (30%)



- Cyan (30%)
- Magenta (74%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B342AF 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 B342AF by changing the saturation by 10% instead.



 B342AF

 B342AF

FFFFFF

 972494

 ED79E7

 7B007A

 FF95FF

 600061

 FFB1FF

 450048

 FFCEFF

 2D0031

 FFE8FF

 00001B

 000000

 B342AF

 B342AF

 B330AE

 B354B0

 B31EAE

 B366B0

 B30CAD

 B378B1

 B300AD

 B38AB2

 B39BB2

 B3ADB3

 B3BFB3

 B3D1B4

 B3E3B5

# Harmonies

## Analogous

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



6463D9



B342AF



D32677

# Triad

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



B342AF



8C6E00



008AA8

# Complementary

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



B342AF



42B346

# 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.



008A6D



B342AF



527E00

# Square

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



B342AF



B75500



00862F



0086D5

# Rectangle

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



B342AF



D62B50



00862F



008B95



# Sweetspot

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



B342AF



E8BCE6



4642B3



755A74



F5F5F5



757575



# Same Dimension

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



B342AF



E838E2



B34277



595059



990094



1A0019



# Inverse Universe

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



B342AF



E838E2



42B37E



595059



990094



1A0019



# Previews

## White Background



This preview shows how the Hex color B342AF looks on a white background.

## Color Contrast Check

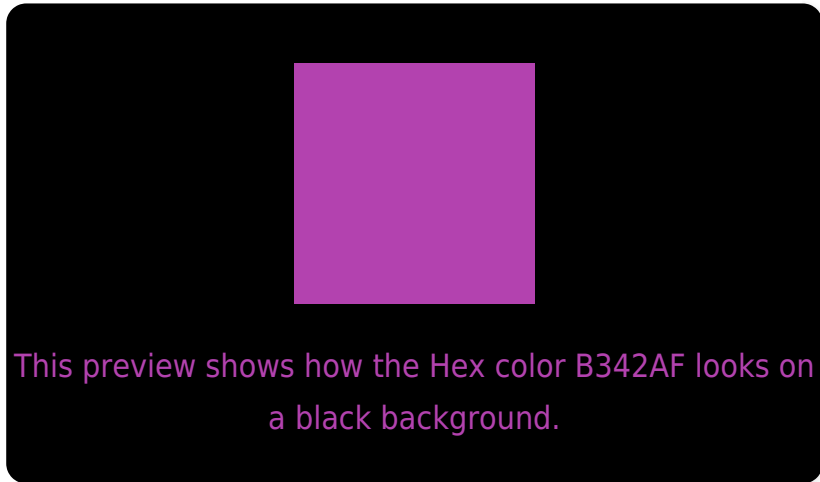
Large Text (above 18pt) WCAG AA ✓ Pass

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

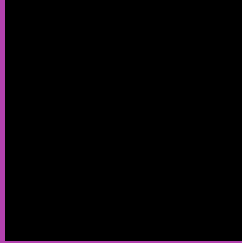
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex B342AF Background



This preview shows how black text looks on a background with the Hex color B342AF.

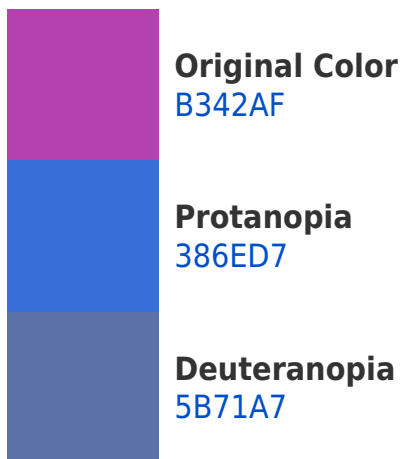


This preview shows how white text looks on a background with the Hex color B342AF.

# 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](#).

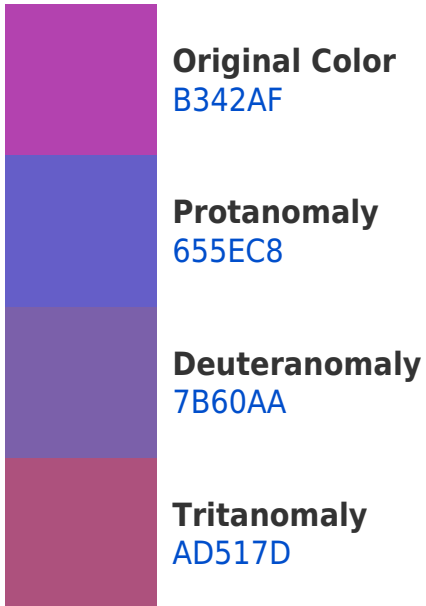
## Dichromacy



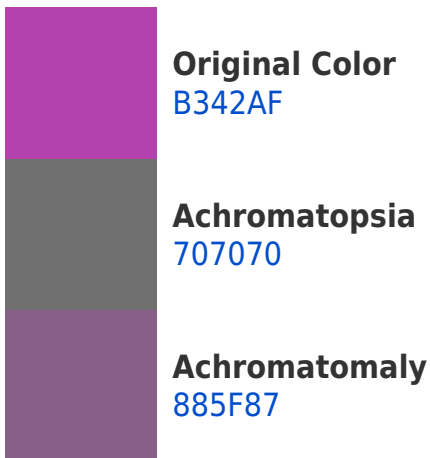


**Tritanopia**  
AA5960

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B342AF 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 #B342AF looks like.

```
.text, #text, p{  
    color:#B342AF  
}
```

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 #B342AF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B342AF
}
```

## Border

The CSS property to change the border of an element to Hex B342AF is called "border". The border property can be set on classes, ids or directly on the HTML element.

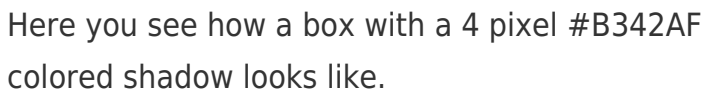
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B342AF }
```

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

```
.border{ border-color:#B342AF }
```

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



Here you see how a box with a 4 pixel #B342AF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B342AF; -webkit-box-shadow:4px 4px  
4px 4px #B342AF; box-shadow:4px 4px 4px  
4px #B342AF }
```

# Background

The CSS property to change the background color of an element to Hex B342AF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B342AF }
```

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

```
.background{ background-color:#B342AF }
```

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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