

# Converting Colors

Hex(342B8C)

Have a look what the booklet for  
Hex(342B8C) contains.

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# Color

Hex(342B8C)

# Conversions

## Conversions Part 1

Format	Color
Hex	342B8C
RGB	52, 43, 140
RGB Percent	20%, 17%, 55%
CMY	0.7961, 0.8314, 0.4510
CMYK	0.63, 0.69, 0.00, 0.45
HSL	246°, 53%, 36%
HSV	246°, 69%, 55%
XYZ	7.0137, 4.3513, 25.2812
YIQ	56.7490, -25.7730, 32.0750

# Conversions

## Conversions Part 2

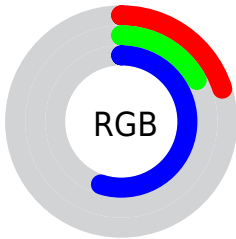
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	52, 43, 140
Decimal	3419020
CIE Lab	24.80, 33.86, -52.58
CIE LCh	25, 62.537, 302.777
Yxy	4.3513, 0.1914, 0.1187
Android (android.graphics.Color)	4281609100 (0xFF342B8C)
YUV	56.7490, 41.0427, -4.1649
Hunter-Lab	20.8597, 23.5128, -57.2555

# Details

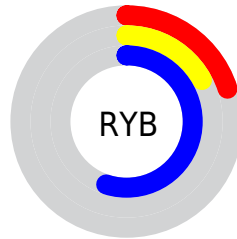
The Hex color **342B8C** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **838C2B**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **6D5AC3**, and **000059** is the 20% darker color. If you saturate the color by 10%, you get **271D8C**, and if you desaturate by 10%, it is **41398C**.

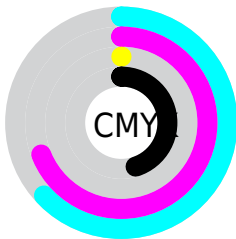
# Distribution



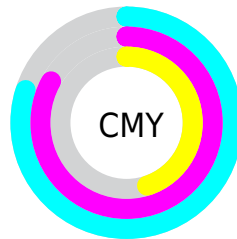
- Red (20%)
- Green (17%)
- Blue (55%)



- Red (20%)
- Yellow (17%)
- Blue (55%)



- Cyan (63%)
- Magenta (69%)
- Yellow (0%)
- Black (45%)



- Cyan (80%)
- Magenta (83%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 342B8C 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 342B8C by changing the saturation by 10% instead.



■ 342B8C

■ 342B8C

FFFFFF

■ 101572

■ 6D5AC3

■ 000059

■ 8972DF

■ 000041

■ A58CFC

■ 000329

■ C2A7FF

■ 000113

■ DFC2FF

■ 000000

■ FCDEFF

■ FFFBFF

■ 342B8C

■ 342B8C

■ 271D8C

■ 41398C

■ 1B0F8C

■ 4D478C

■ 0E018C

■ 5A558C

■ 0D008C

■ 67638C

■ 74718C

■ 807F8C

■ 8D8D8C

■ 9A9B8C

■ A6A98C

# Harmonies

## Analogous

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



00419C



342B8C



730067

# Triad

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



342B8C



6A2500



004C3E

# Complementary

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



342B8C



838C2B

# 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.



004A08



342B8C



453B00

# Square

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



342B8C



820009



0C4600



004D6E

# Rectangle

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



342B8C



840048



0C4600



004C2E



# Sweetspot

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



342B8C



938FB5



2B848C



47455C



DBDBDB



5C5C5C



# Same Dimension

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



342B8C



2D1FB5



642B8C



3F3E45



0C0085



000005



# Inverse Universe

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



8C2B83



B51FA7



538C2B



453E44



850078

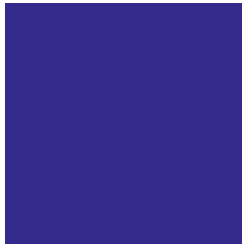


050005



# Previews

## White Background



This preview shows how the Hex color 342B8C looks on a white background.

## Color Contrast Check

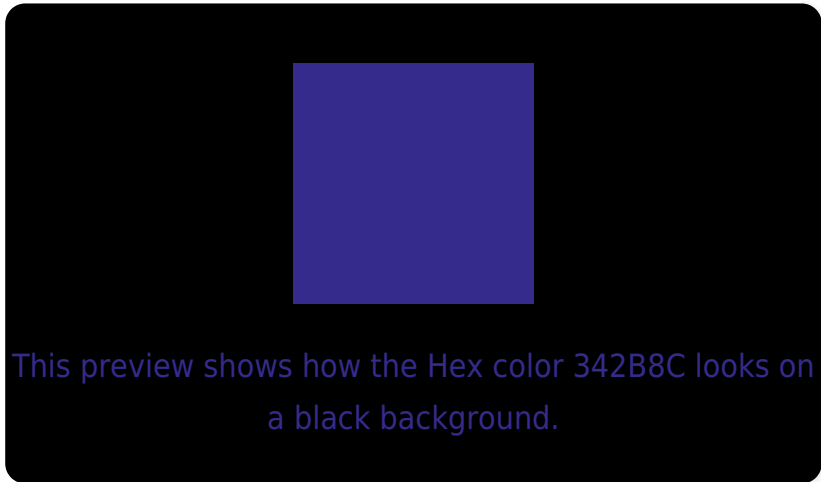
Large Text (above 18pt) WCAG AA ✓ Pass

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

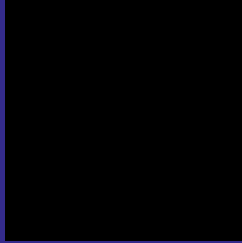
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 342B8C Background



This preview shows how black text looks on a background with the Hex color 342B8C.



This preview shows how white text looks on a background with the Hex color 342B8C.

# 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**  
342B8C

**Protanopia**  
003978

**Deuteranopia**  
003D67



**Tritanopia**  
014247

# Trichromacy



**Original Color**  
342B8C

**Protanomaly**  
13347F

**Deuteranomaly**  
133674

**Tritanomaly**  
143A60

# Monochromacy



**Original Color**  
342B8C

**Achromatopsia**  
393939

**Achromatomaly**  
373457

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 342B8C 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 #342B8C looks like.

```
.text, #text, p{  
    color:#342B8C  
}
```

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 #342B8C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #342B8C
}
```

## Border

The CSS property to change the border of an element to Hex 342B8C 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
#342B8C }
```

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

```
.border{ border-color:#342B8C }
```

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

Here you see how a box with a 4 pixel #342B8C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #342B8C; -webkit-box-shadow:4px 4px  
4px 4px #342B8C; box-shadow:4px 4px 4px  
4px #342B8C }
```

# Background

The CSS property to change the background color of an element to Hex 342B8C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#342B8C }
```

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

```
.background{ background-color:#342B8C }
```

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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