

# Converting Colors

Hex(303B8F)

Have a look what the booklet for  
Hex(303B8F) contains.

<b>Hex(303B8F)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(303B8F)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	303B8F
RGB	48, 59, 143
RGB Percent	19%, 23%, 56%
CMY	0.8118, 0.7686, 0.4392
CMYK	0.66, 0.59, 0.00, 0.44
HSL	233°, 50%, 37%
HSV	233°, 66%, 56%
XYZ	7.7408, 5.7395, 26.6864
YIQ	65.2870, -33.5200, 23.7920

# Conversions

## Conversions Part 2

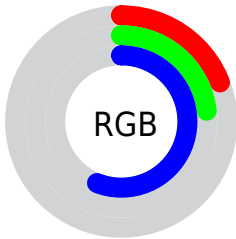
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	48, 58, 143
Decimal	3160975
CIE <sub>Lab</sub>	28.75, 23.86, -48.01
CIE <sub>LCh</sub>	29, 53.617, 296.426
Yxy	5.7395, 0.1927, 0.1429
Android (android.graphics.Color)	4281351055 (0xFF303B8F)
YUV	65.2870, 38.3125, -15.1607
Hunter-Lab	23.9572, 15.7500, -49.2744

# Details

The Hex color **303B8F** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **8F8430**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **696AC6**, and **00125C** is the 20% darker color. If you saturate the color by 10%, you get **222E8F**, and if you desaturate by 10%, it is **3E488F**.

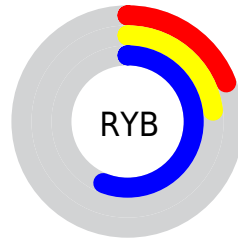
# Distribution



 Red (19%)

 Green (23%)

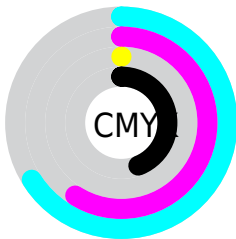
 Blue (56%)




 Red (19%)

 Yellow (23%)

 Blue (56%)

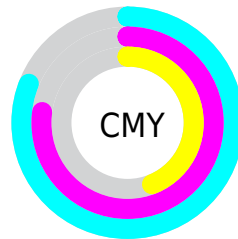


 Cyan (66%)

 Magenta (59%)

 Yellow (0%)

 Black (44%)



 Cyan (81%)

 Magenta (77%)

 Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 303B8F 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 303B8F by changing the saturation by 10% instead.



■ 303B8F

■ 303B8F

FFFFFF

■ 082675

■ 696AC6

■ 00125C

■ 8583E2

■ 000044

■ A19DFF

■ 00032C

■ BDB8FF

■ 000117

■ DAD4FF

■ 000000

■ F8F0FF

■ 303B8F

■ 303B8F

■ 222E8F

■ 3E488F

■ 13228F

■ 4D548F

■ 05158F

■ 5B618F

■ 00118F

■ 696E8F

■ 787A8F

■ 86878F

■ 94948F

■ A2A08F

■ B1AD8F

# Harmonies

## Analogous

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



004B98



303B8F



6F2272

# Triad

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



303B8F



762D00



00553D

# Complementary

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



303B8F



8F8430

# 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.



005210



303B8F



584000

# Square

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



303B8F



881122



314C00



005568

# Rectangle

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



303B8F



820B58



314C00



00542F



# Sweetspot

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



303B8F



9599BA



308F84



484A5E



DEDEDE



5E5E5E



# Same Dimension

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



303B8F



2536BA



54308F



404147



001087



000108



# Inverse Universe

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



8F303B



BA2536



6B8F30



474041



870010

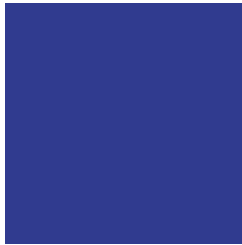


080001



# Previews

## White Background



This preview shows how the Hex color 303B8F looks on a white background.

## Color Contrast Check

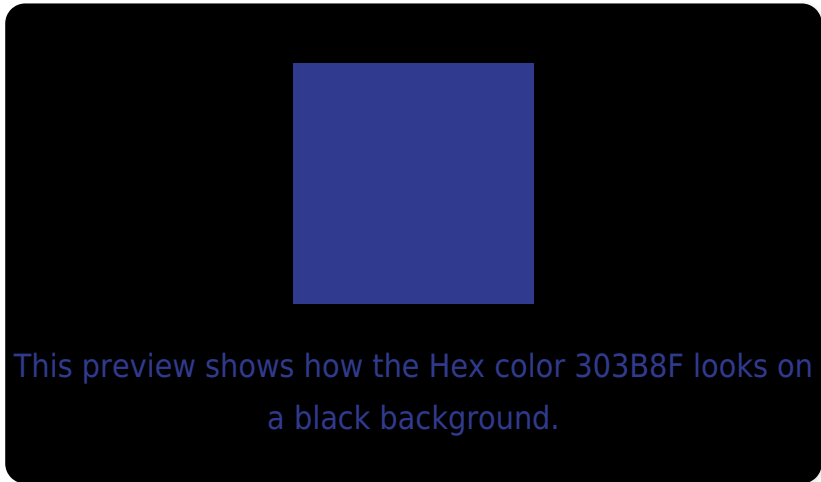
Large Text (above 18pt) WCAG AA ✓ Pass

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

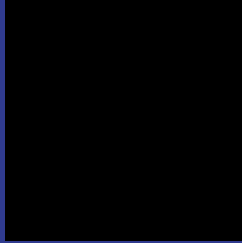
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 303B8F Background



This preview shows how black text looks on a background with the Hex color 303B8F.

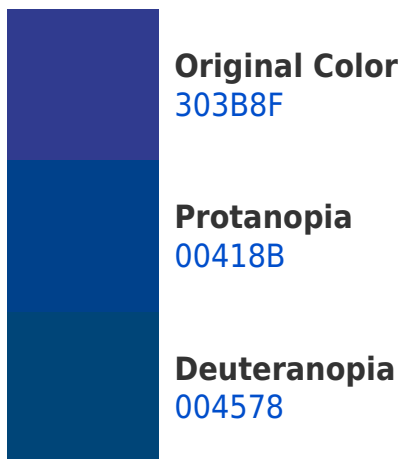


This preview shows how white text looks on a background with the Hex color 303B8F.

# 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](#).

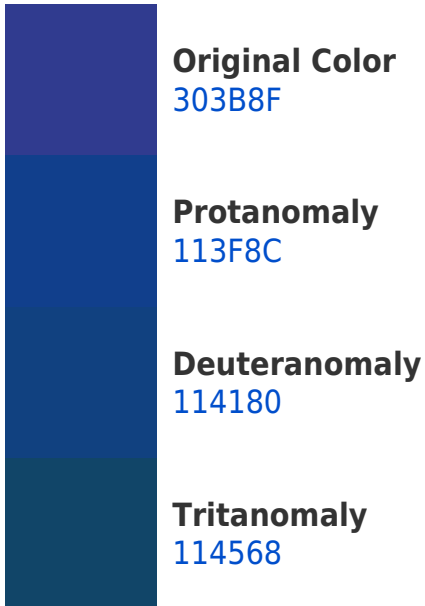
## Dichromacy





**Tritanopia**  
004B51

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 303B8F 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 #303B8F looks like.

```
.text, #text, p{  
    color:#303B8F  
}
```

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 #303B8F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #303B8F
}
```

## Border

The CSS property to change the border of an element to Hex 303B8F 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
#303B8F }
```

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

```
.border{ border-color:#303B8F }
```

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

Here you see how a box with a 4 pixel #303B8F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #303B8F; -webkit-box-shadow:4px 4px  
4px 4px #303B8F; box-shadow:4px 4px 4px  
4px #303B8F }
```

# Background

The CSS property to change the background color of an element to Hex 303B8F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#303B8F }
```

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

```
.background{ background-color:#303B8F }
```

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