

# Converting Colors

Hex(3838B4)

Have a look what the booklet for  
Hex(3838B4) contains.

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# Color

**Hex(3838B4)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3838B4
RGB	56, 56, 180
RGB Percent	22%, 22%, 71%
CMY	0.7804, 0.7804, 0.2941
CMYK	0.69, 0.69, 0.00, 0.29
HSL	240°, 53%, 46%
HSV	240°, 69%, 71%
XYZ	11.2833, 6.9644, 43.9296
YIQ	70.1360, -39.8040, 38.5640

# Conversions

## Conversions Part 2

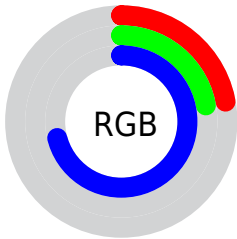
<b>Format</b>	<b>Color</b>
<b>RYB</b>	56, 56, 180
Decimal	3684532
CIELab	31.73, 40.02, -65.50
CIElCh	32, 76.758, 301.426
Yxy	6.9644, 0.1815, 0.1120
Android (android.graphics.Color)	4281874612 (0xFF3838B4)
YUV	70.1360, 54.1630, -12.3973
Hunter-Lab	26.3901, 30.1362, -80.2223

# Details

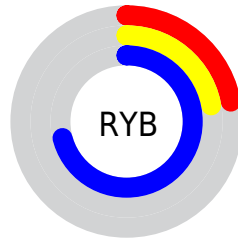
The Hex color **3838B4** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **B4B438**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **7768ED**, and **000D7E** is the 20% darker color. If you saturate the color by 10%, you get **2626B4**, and if you desaturate by 10%, it is **4A4AB4**.

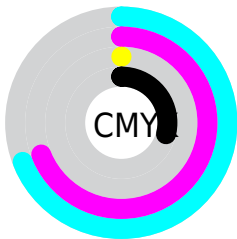
# Distribution



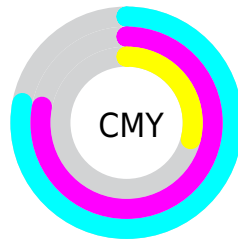
- Red (22%)
- Green (22%)
- Blue (71%)



- Red (22%)
- Yellow (22%)
- Blue (71%)



- Cyan (69%)
- Magenta (69%)
- Yellow (0%)
- Black (29%)



- Cyan (78%)
- Magenta (78%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3838B4 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 3838B4 by changing the saturation by 10% instead.



 3838B4

 3838B4

FFFFFF

 042299

 7768ED

 000D7E

 9581FF

 000064

 B29CFF

 00064B

 D0B7FF

 000433

 EED2FF

 00021D

 FFEFFF

 000000

 3838B4

 3838B4

 2626B4

 4A4AB4

■ 1414B4

■ 5C5CB4

■ 0202B4

■ 6E6EB4

■ 0000B4

■ 8080B4

■ 9292B4

■ A4A4B4

■ B6B6B4

■ C8C8B4

■ DADAB4

# Harmonies

## Analogous

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



0053C7



3838B4



900086

# Triad

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



3838B4



872C00



00604C

# Complementary

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



3838B4



B4B438

# 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.



005E02



3838B4



5A4A00

# Square

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



3838B4



A60010



105800



006189

# Rectangle

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



3838B4



A7005F



105800



006037



# Sweetspot

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



3838B4



B9B9EB



38B4B4



585875



F5F5F5



757575



# Same Dimension

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



3838B4



2828EB



7638B4



505059



000099



00001A



# Inverse Universe

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



B438B4



EB28EB



76B438



595059



990099

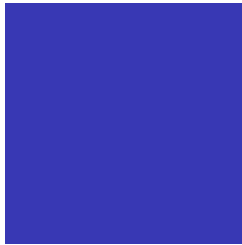


1A001A



# Previews

## White Background



This preview shows how the Hex color 3838B4 looks on a white background.

## Color Contrast Check

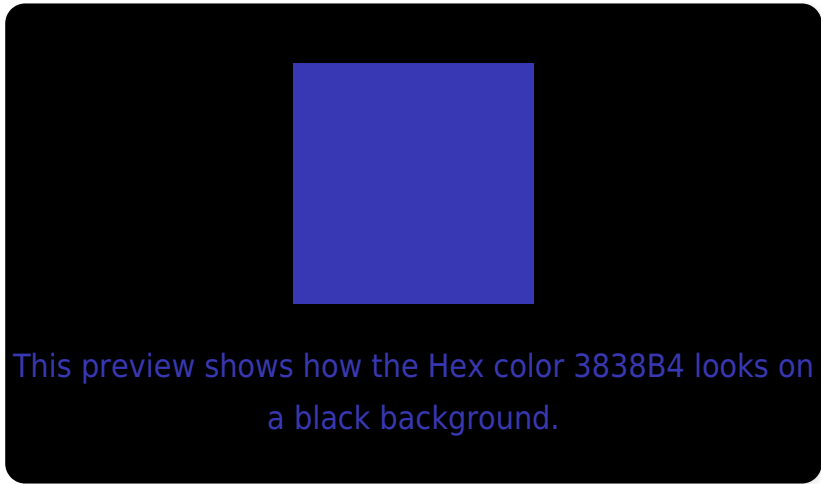
Large Text (above 18pt) WCAG AA ✓ Pass

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 3838B4 Background



This preview shows how black text looks on a background with the Hex color 3838B4.

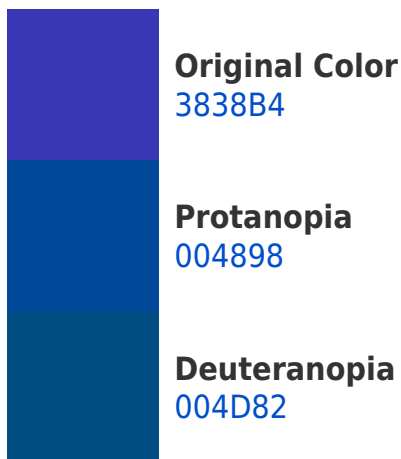


This preview shows how white text looks on a background with the Hex color 3838B4.

# 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





# Trichromacy



**Original Color**  
3838B4

**Protanomaly**  
1442A2

**Deuteranomaly**  
144594

**Tritanomaly**  
144979

# Monochromacy



**Original Color**  
3838B4

**Achromatopsia**  
464646

**Achromatomaly**  
41416E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3838B4 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 #3838B4 looks like.

```
.text, #text, p{  
    color:#3838B4  
}
```

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 #3838B4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3838B4
}
```

## Border

The CSS property to change the border of an element to Hex 3838B4 is called "border". The border property can be set on classes, ids or directly on the HTML element.

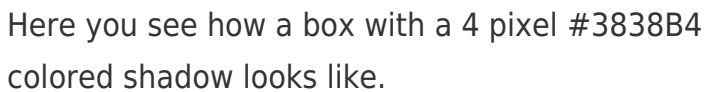
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#3838B4 }
```

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

```
.border{ border-color:#3838B4 }
```

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



Here you see how a box with a 4 pixel #3838B4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3838B4; -webkit-box-shadow:4px 4px  
4px 4px #3838B4; box-shadow:4px 4px 4px  
4px #3838B4 }
```

# Background

The CSS property to change the background color of an element to Hex 3838B4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3838B4 }
```

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

```
.background{ background-color:#3838B4 }
```

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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