

# Converting Colors

Hex(3737B8)

Have a look what the booklet for  
Hex(3737B8) contains.

<b>Hex(3737B8)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(3737B8)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3737B8
RGB	55, 55, 184
RGB Percent	22%, 22%, 72%
CMY	0.7843, 0.7843, 0.2784
CMYK	0.70, 0.70, 0.00, 0.28
HSL	240°, 54%, 47%
HSV	240°, 70%, 72%
XYZ	11.5935, 7.0053, 46.0885
YIQ	69.7060, -41.4090, 40.1190

# Conversions

## Conversions Part 2

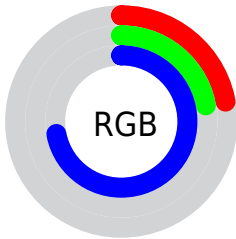
<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 55, 184
Decimal	3618744
CIELab	31.82, 41.85, -67.72
CIELCh	32, 79.609, 301.716
Yxy	7.0053, 0.1792, 0.1083
Android (android.graphics.Color)	4281808824 (0xFF3737B8)
YUV	69.7060, 56.3469, -12.8972
Hunter-Lab	26.4675, 31.8695, -84.7158

# Details

The Hex color **3737B8** is a dark color, and the websafe version is hex **3333CC**. A complement of this color would be **B8B837**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **7767F1**, and **000B82** is the 20% darker color. If you saturate the color by 10%, you get **2525B8**, and if you desaturate by 10%, it is **4949B8**.

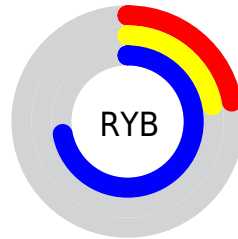
# Distribution



Red (22%)

Green (22%)

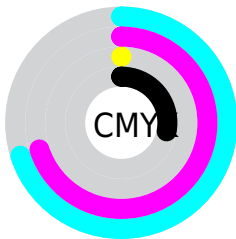
Blue (72%)



Red (22%)

Yellow (22%)

Blue (72%)

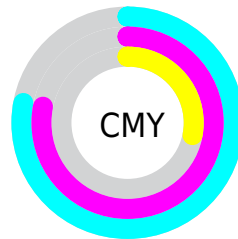


Cyan (70%)

Magenta (70%)

Yellow (0%)

Black (28%)



Cyan (78%)

Magenta (78%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3737B8 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 3737B8 by changing the saturation by 10% instead.



 3737B8

 3737B8

FFFFFF

 00219C

 7767F1

 000B82

 9580FF

 000068

 B39BFF

 00054E

 D1B6FF

 000537

 EFD1FF

 000220

 FFEEFF

 000005

 000000

 3737B8

 3737B8

■ 2525B8

■ 4949B8

■ 1212B8

■ 5C5CB8

■ 0000B8

■ 6E6EB8

■ 8181B8

■ 9393B8

■ A5A5B8

■ B8B8B8

■ CACAB8

■ DDDDB8

# Harmonies

## Analogous

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



0054CC



3737B8



930088

# Triad

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



3737B8



892B00



00614D

# Complementary

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



3737B8



B8B837

# 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.



005F00



3737B8



594A00

# Square

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



3737B8



A8000D



055900



00628C

# Rectangle

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



3737B8



AB005F



055900



006037



# Sweetspot

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



3737B8



BDBDF0



37B8B8



5A5A78



F7F7F7



787878



# Same Dimension

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



3737B8



2626F0



7837B8



53535C



00009C



00001C



# Inverse Universe

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



B837B8



F026F0



78B837



5C535C



9C009C

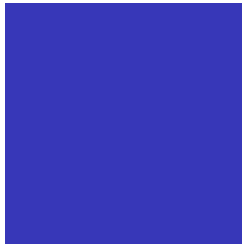


1C001C



# Previews

## White Background



This preview shows how the Hex color 3737B8 looks on a white background.

## Color Contrast Check

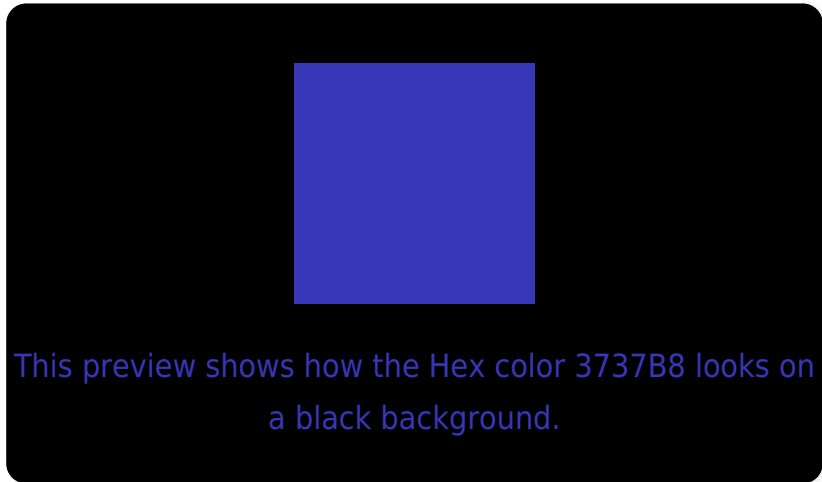
Large Text (above 18pt) WCAG AA ✓ Pass

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

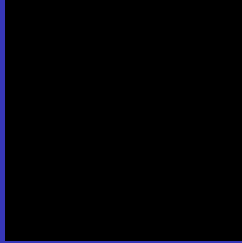
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3737B8 Background



This preview shows how black text looks on a background with the Hex color 3737B8.



This preview shows how white text looks on a background with the Hex color 3737B8.

# 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**  
3737B8

**Protanopia**  
004898

**Deuteranopia**  
004D82



# Trichromacy



**Original Color**  
3737B8

**Protanomaly**  
1442A4

**Deuteranomaly**  
144596

**Tritanomaly**  
14497B

# Monochromacy



**Original Color**  
3737B8

**Achromatopsia**  
464646

**Achromatomaly**  
41416F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3737B8 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 #3737B8 looks like.

```
.text, #text, p{  
    color:#3737B8  
}
```

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 #3737B8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3737B8
}
```

## Border

The CSS property to change the border of an element to Hex 3737B8 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
#3737B8 }
```

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

```
.border{ border-color:#3737B8 }
```

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

Here you see how a box with a 4 pixel #3737B8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3737B8; -webkit-box-shadow:4px 4px  
4px 4px #3737B8; box-shadow:4px 4px 4px  
4px #3737B8 }
```

# Background

The CSS property to change the background color of an element to Hex 3737B8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3737B8 }
```

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

```
.background{ background-color:#3737B8 }
```

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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