

# Converting Colors

Hex(3737DA)

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

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# Color

**Hex(3737DA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3737DA
RGB	55, 55, 218
RGB Percent	22%, 22%, 85%
CMY	0.7843, 0.7843, 0.1451
CMYK	0.75, 0.75, 0.00, 0.15
HSL	240°, 69%, 54%
HSV	240°, 75%, 85%
XYZ	15.5966, 8.6066, 67.1689
YIQ	73.5820, -52.3230, 50.6930

# Conversions

## Conversions Part 2

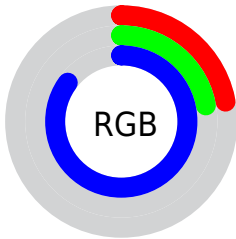
<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 55, 218
Decimal	3618778
CIELab	35.22, 52.98, -81.95
CIELCh	35, 97.587, 302.882
Yxy	8.6066, 0.1707, 0.0942
Android (android.graphics.Color)	4281808858 (0xFF3737DA)
YUV	73.5820, 71.1981, -16.2964
Hunter-Lab	29.3369, 43.5577, -115.2125

# Details

The Hex color **3737DA** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **DADA37**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **7F68FF**, and **0007A2** is the 20% darker color. If you saturate the color by 10%, you get **2121DA**, and if you desaturate by 10%, it is **4D4DDA**.

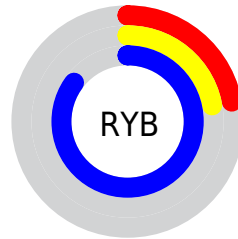
# Distribution



Red (22%)

Green (22%)

Blue (85%)



Red (22%)

Yellow (22%)

Blue (85%)

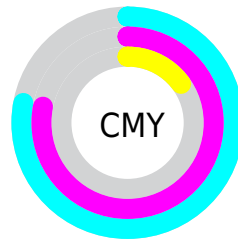


Cyan (75%)

Magenta (75%)

Yellow (0%)

Black (15%)



Cyan (78%)

Magenta (78%)

Yellow (15%)

# Brightness & Saturation Gradients

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



■ 3737DA

■ 3737DA

FFFFFF

■ 001FBD

■ 7F68FF

■ 0007A2

■ 9E82FF

■ 000086

■ BD9DFF

■ 00006C

■ DDB8FF

■ 000B52

■ FCD4FF

■ 00063A

■ FFF1FF

■ 000224

■ 00000B

■ 000000

 3737DA

 3737DA

 2121DA

 4D4DDA

 0B0BDA

 6363DA

 0000DA

 7878DA

 8E8EDA

 A4A4DA

 BABADA

 D0D0DA

 E5E5DA

 FBFBD A

# Harmonies

## Analogous

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



005EF5



3737DA



AF009C

# Triad

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



3737DA



9B2B00



006D59

# Complementary

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



3737DA



DADA37

# 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.



006A00



3737DA



5F5300

# Square

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



3737DA



C30000



006400



006FA8

# Rectangle

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



3737DA



CA0069



006400



006C3D



# Sweetspot

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



3737DA



C7C7FF



37DADA



5E5E80



000000



808080



# Same Dimension

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



3737DA



1919FF



8937DA



63636E



0000AD



00002E



# Inverse Universe

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



DA37DA



FF19FF



89DA37



6E636E



AD00AD

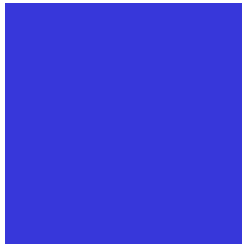


2E002E



# Previews

## White Background



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

## Color Contrast Check

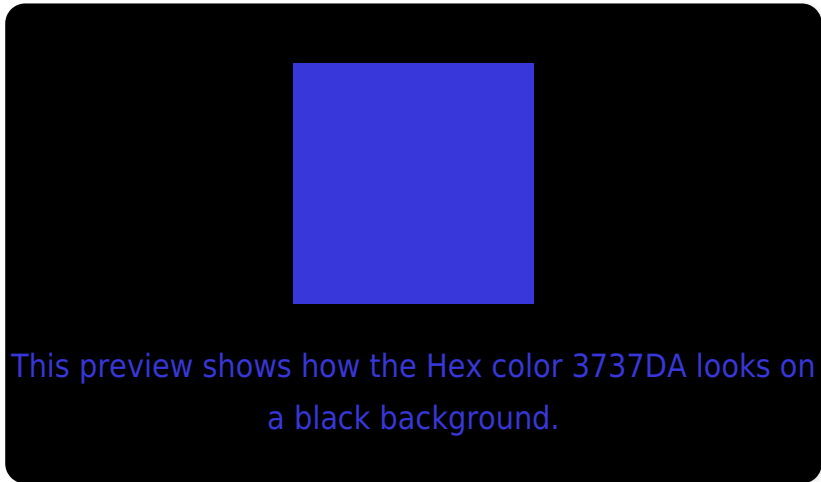
Large Text (above 18pt) WCAG AA ✓ Pass

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

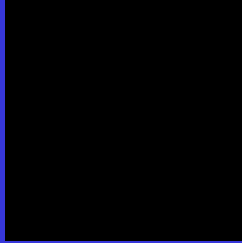
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3737DA Background



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

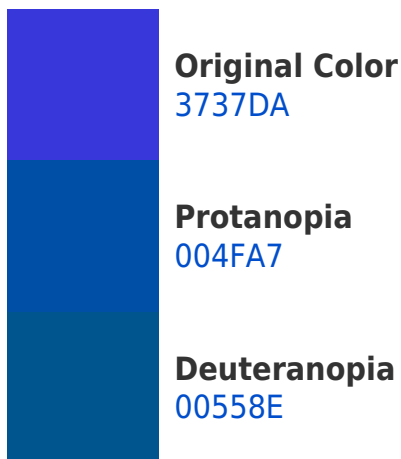


This preview shows how white text looks on a background with the Hex color 3737DA.

# 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](#).

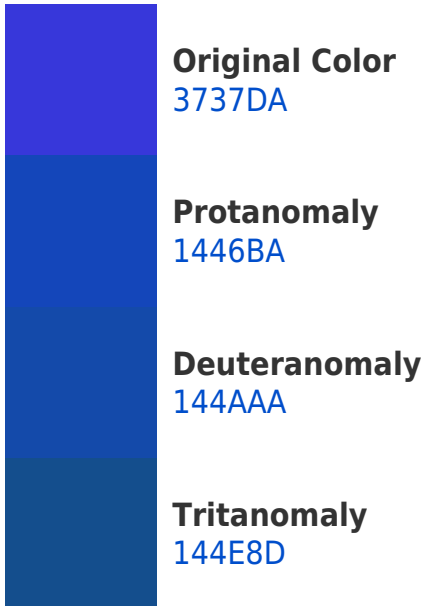
## Dichromacy



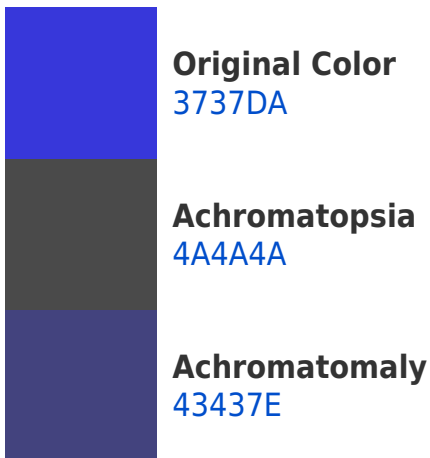


**Tritanopia**  
005B61

# Trichromacy



# Monochromacy



# CSS Examples

## Text

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

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

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 #3737DA colored shadow looks like.

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

## Border

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

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

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

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

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

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

# Background

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

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

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

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

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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