

# Converting Colors

Hex(3F229D)

Have a look what the booklet for  
Hex(3F229D) contains.

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# Color

**Hex(3F229D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3F229D
RGB	63, 34, 157
RGB Percent	25%, 13%, 62%
CMY	0.7529, 0.8667, 0.3843
CMYK	0.60, 0.78, 0.00, 0.38
HSL	254°, 64%, 37%
HSV	254°, 78%, 62%
XYZ	8.7077, 4.6351, 32.3340
YIQ	56.6930, -22.1990, 44.4010

# Conversions

## Conversions Part 2

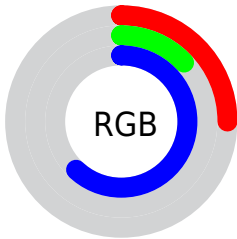
<b>Format</b>	<b>Color</b>
<b>RYB</b>	63, 34, 157
Decimal	4137629
CIELab	25.67, 45.80, -61.59
CIELCh	26, 76.750, 306.633
Yxy	4.6351, 0.1906, 0.1015
Android (android.graphics.Color)	4282327709 (0xFF3F229D)
YUV	56.6930, 49.4514, 5.5312
Hunter-Lab	21.5294, 34.5194, -73.9745

# Details

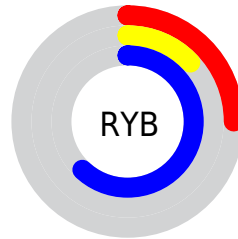
The Hex color **3F229D** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **809D22**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **7A53D5**, and **000068** is the 20% darker color. If you saturate the color by 10%, you get **33129D**, and if you desaturate by 10%, it is **4B329D**.

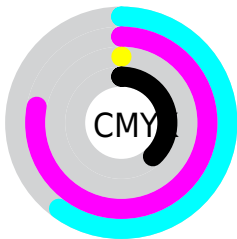
# Distribution



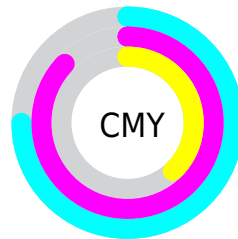
- Red (25%)
- Green (13%)
- Blue (62%)



- Red (25%)
- Yellow (13%)
- Blue (62%)



- Cyan (60%)
- Magenta (78%)
- Yellow (0%)
- Black (38%)



- Cyan (75%)
- Magenta (87%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3F229D 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 3F229D by changing the saturation by 10% instead.



■ 3F229D

■ 3F229D

FFFFFF

■ 1C0882

■ 7A53D5

■ 000068

■ 966CF2

■ 00004F

■ B386FF

■ 000537

■ D1A1FF

■ 000221

■ EEBCFF

■ 000006

■ FFD8FF

■ 000000

■ FFF5FF

■ 3F229D

■ 3F229D

■ 33129D

■ 4B329D

■ 27039D

■ 57419D

■ 25009D

■ 63519D

■ 6F619D

■ 7B719D

■ 87809D

■ 93909D

■ 9FA09D

■ ABAF9D

# Harmonies

## Analogous

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



0043B5



3F229D



87006C

# Triad

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



3F229D



6E2500



005149

# Complementary

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



3F229D



809D22

# 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.



004F04



3F229D



403F00

# Square

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



3F229D



8F0000



004A00



005283

# Rectangle

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



3F229D



980046



004A00



005034



# Sweetspot

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



3F229D



A79BCC



22809D



4F4866



E6E6E6



666666



# Same Dimension

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



3F229D



390CCC



7C229D



49474F



22008F



04000F



# Inverse Universe

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



9D2280



CC0C9F



439D22



4F474D



8F006D

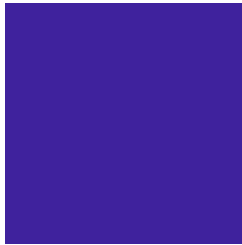


0F000C



# Previews

## White Background



This preview shows how the Hex color 3F229D 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

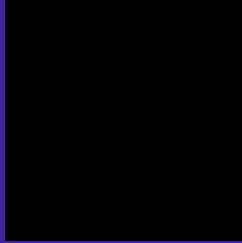
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3F229D Background



This preview shows how black text looks on a background with the Hex color 3F229D.



This preview shows how white text looks on a background with the Hex color 3F229D.

# 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](#).

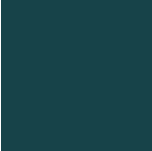
## Dichromacy



**Original Color**  
3F229D

**Protanopia**  
003B7D

**Deuteranopia**  
003F6A



**Tritanopia**  
174349

# Trichromacy



**Original Color**  
3F229D

**Protanomaly**  
173289

**Deuteranomaly**  
17347D

**Tritanomaly**  
263768

# Monochromacy



**Original Color**  
3F229D

**Achromatopsia**  
393939

**Achromatomaly**  
3B315D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3F229D 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 #3F229D looks like.

```
.text, #text, p{  
    color:#3F229D  
}
```

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 #3F229D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3F229D
}
```

## Border

The CSS property to change the border of an element to Hex 3F229D 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
#3F229D }
```

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

```
.border{ border-color:#3F229D }
```

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

Here you see how a box with a 4 pixel #3F229D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3F229D; -webkit-box-shadow:4px 4px  
4px 4px #3F229D; box-shadow:4px 4px 4px  
4px #3F229D }
```

# Background

The CSS property to change the background color of an element to Hex 3F229D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3F229D }
```

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

```
.background{ background-color:#3F229D }
```

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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