

# Converting Colors

Hex(33379D)

Have a look what the booklet for  
Hex(33379D) contains.

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# Color

**Hex(33379D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	33379D
RGB	51, 55, 157
RGB Percent	20%, 22%, 62%
CMY	0.8000, 0.7843, 0.3843
CMYK	0.68, 0.65, 0.00, 0.38
HSL	238°, 51%, 41%
HSV	238°, 68%, 62%
XYZ	8.8172, 5.8705, 32.5667
YIQ	65.4320, -35.1260, 30.8740

# Conversions

## Conversions Part 2

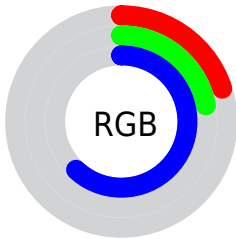
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 55, 157
Decimal	3356573
CIELab	29.08, 32.02, -56.02
CIElCh	29, 64.527, 299.749
Yxy	5.8705, 0.1866, 0.1242
Android (android.graphics.Color)	4281546653 (0xFF33379D)
YUV	65.4320, 45.1430, -12.6569
Hunter-Lab	24.2291, 22.5570, -62.7321

# Details

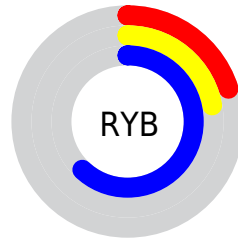
The Hex color **33379D** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **9D9933**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **6F66D5**, and **000E68** is the 20% darker color. If you saturate the color by 10%, you get **23289D**, and if you desaturate by 10%, it is **43469D**.

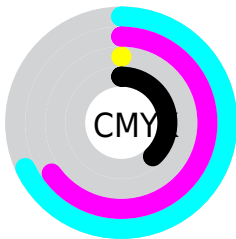
# Distribution



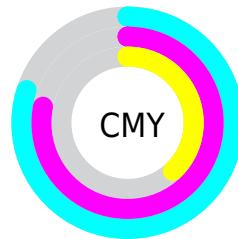
- Red (20%)
- Green (22%)
- Blue (62%)



- Red (20%)
- Yellow (22%)
- Blue (62%)



- Cyan (68%)
- Magenta (65%)
- Yellow (0%)
- Black (38%)



- Cyan (80%)
- Magenta (78%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33379D 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 33379D by changing the saturation by 10% instead.



■ 33379D

■ 33379D

FFFFFF

■ 062182

■ 6F66D5

■ 000E68

■ 8B7FF1

■ 000050

■ A899FF

■ 000538

■ C5B4FF

■ 000221

■ E2D0FF

■ 000007

■ FFECFF

■ 000000

■ 33379D

■ 33379D

■ 23289D

■ 43469D

■ 14199D

■ 52559D

■ 040A9D

■ 62649D

■ 00069D

■ 72739D

■ 82839D

■ 91929D

■ A1A19D

■ B1B09D

■ C0BF9D

# Harmonies

## Analogous

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



004CAB



33379D



7D0878

# Triad

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



33379D



7B2B00



005843

# Complementary

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



33379D



9D9933

# 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.



005508



33379D



554300

# Square

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



33379D



930017



214F00



005875

# Rectangle

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



33379D



910058



214F00



005731



# Sweetspot

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



33379D



A3A5CC



339D98



4E4E66



E6E6E6



666666



# Same Dimension

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



33379D



272DCC



63339D



47474F



00058F



00010F



# Inverse Universe

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



9D3337



CC272D



6D9D33



4F4747



8F0005

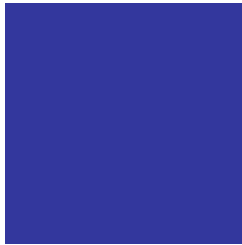


0F0001



# Previews

## White Background



This preview shows how the Hex color 33379D looks on a white background.

## Color Contrast Check

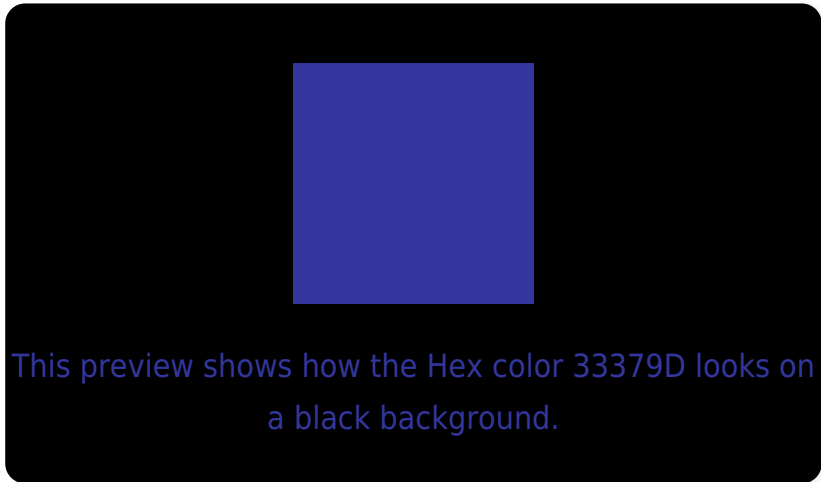
Large Text (above 18pt) WCAG AA ✓ Pass

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

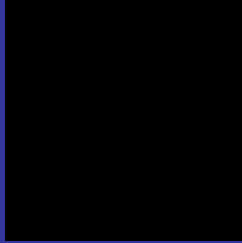
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 33379D Background



This preview shows how black text looks on a background with the Hex color 33379D.



This preview shows how white text looks on a background with the Hex color 33379D.

# 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](#).

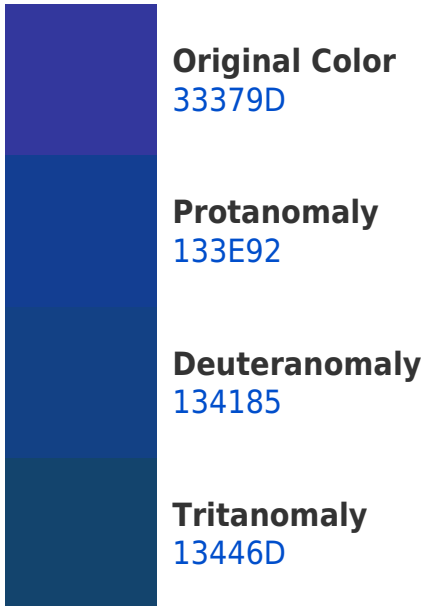
## Dichromacy





**Tritanopia**  
004C52

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33379D 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 #33379D looks like.

```
.text, #text, p{  
    color:#33379D  
}
```

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 #33379D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33379D
}
```

## Border

The CSS property to change the border of an element to Hex 33379D 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
#33379D }
```

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

```
.border{ border-color:#33379D }
```

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

Here you see how a box with a 4 pixel #33379D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33379D; -webkit-box-shadow:4px 4px  
4px 4px #33379D; box-shadow:4px 4px 4px  
4px #33379D }
```

# Background

The CSS property to change the background color of an element to Hex 33379D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33379D }
```

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

```
.background{ background-color:#33379D }
```

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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