

# Converting Colors

Hex(33048E)

Have a look what the booklet for  
Hex(33048E) contains.

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# Color

**Hex(33048E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	33048E
RGB	51, 4, 142
RGB Percent	20%, 2%, 56%
CMY	0.8000, 0.9843, 0.4431
CMYK	0.64, 0.97, 0.00, 0.44
HSL	260°, 95%, 29%
HSV	260°, 97%, 56%
XYZ	6.2911, 2.7436, 25.7892
YIQ	33.7850, -16.2860, 52.8820

# Conversions

## Conversions Part 2

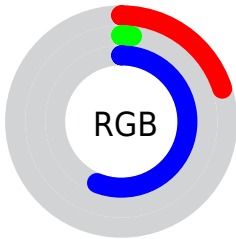
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 4, 142
Decimal	3343502
CIELab	18.99, 51.45, -63.42
CIELCh	19, 81.668, 309.051
Yxy	2.7436, 0.1807, 0.0788
Android (android.graphics.Color)	4281533582 (0xFF33048E)
YUV	33.7850, 53.3500, 15.0976
Hunter-Lab	16.5639, 38.8092, -80.7168

# Details

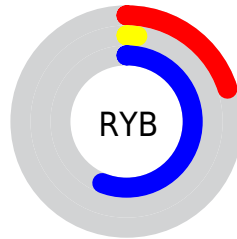
The Hex color **33048E** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **5F8E04**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **6F3CC5**, and **00005A** is the 20% darker color. If you saturate the color by 10%, you get **30008E**, and if you desaturate by 10%, it is **3C128E**.

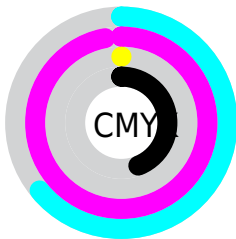
# Distribution



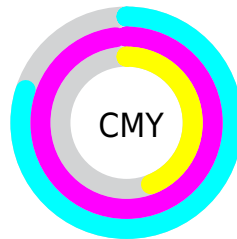
- Red (20%)
- Green (2%)
- Blue (56%)



- Red (20%)
- Yellow (2%)
- Blue (56%)



- Cyan (64%)
- Magenta (97%)
- Yellow (0%)
- Black (44%)



- Cyan (80%)
- Magenta (98%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 33048E 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 33048E by changing the saturation by 10% instead.



 33048E

 33048E

 FFFAFF

 070074

 6F3CC5

 00005A

 8C55E2

 000442

 A96FFF

 00032A

 C68AFF

 000115

 E4A5FF

 000000

 FFC0FF

 FFDDFF

 33048E

 33048E

■ 30008E

■ 3C128E

■ 46208E

■ 4F2F8E

■ 583D8E

■ 624B8E

■ 6B598E

■ 75678E

■ 7E768E

■ 87848E

# Harmonies

## Analogous

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



0035A9



33048E



7B005A

# Triad

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



33048E



5A1700



004140

# Complementary

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



33048E



5F8E04

# 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.



003F00



33048E



293200

# Square

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



33048E



7C0000



003B00



00427A

# Rectangle

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



33048E



890033



003B00



00412B



# Sweetspot

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



33048E



9482B8



04608E



473C5C



DBDBDB



5C5C5C



# Same Dimension

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



33048E



3F00B8



77048E



434047



2E0087



030008



# Inverse Universe

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



8E045F



B80079



1B8E04



474045



870059

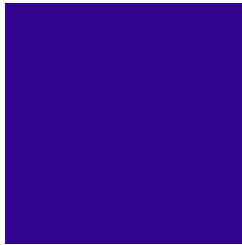


080005



# Previews

## White Background



This preview shows how the Hex color 33048E looks on a white background.

## Color Contrast Check

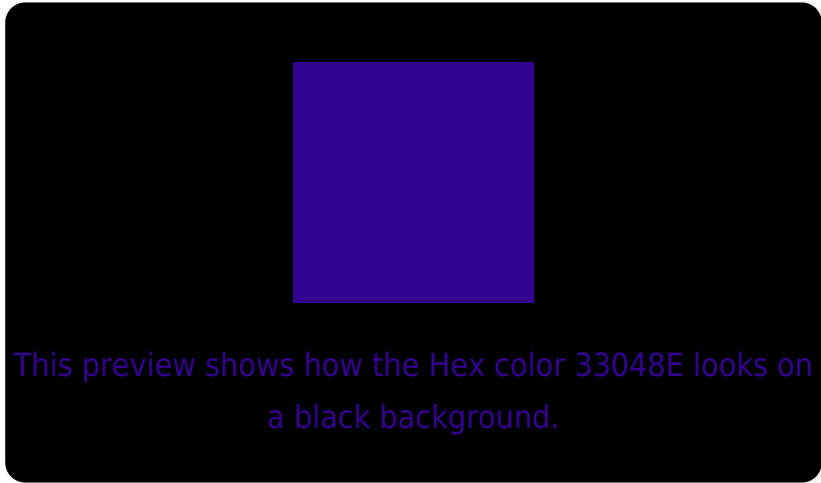
Large Text (above 18pt) WCAG AA ✓ Pass

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

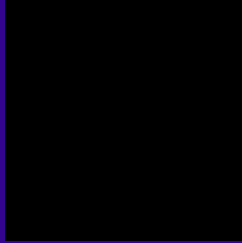
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 33048E Background



This preview shows how black text looks on a background with the Hex color 33048E.



This preview shows how white text looks on a background with the Hex color 33048E.

# 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**  
33048E

**Protanopia**  
002F63

**Deuteranopia**  
003254



**Tritanopia**  
00363A

# Trichromacy



**Original Color**  
33048E

**Protanomaly**  
131F73

**Deuteranomaly**  
132169

**Tritanomaly**  
132459

# Monochromacy



**Original Color**  
33048E

**Achromatopsia**  
222222

**Achromatomaly**  
281749

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33048E 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 #33048E looks like.

```
.text, #text, p{  
    color:#33048E  
}
```

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 #33048E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33048E
}
```

## Border

The CSS property to change the border of an element to Hex 33048E is called "border". The border property can be set on classes, ids or directly on the HTML element.

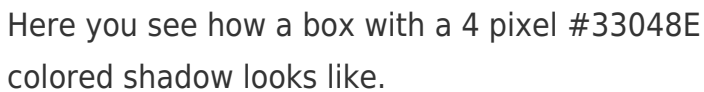
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#33048E }
```

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

```
.border{ border-color:#33048E }
```

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



Here you see how a box with a 4 pixel #33048E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33048E; -webkit-box-shadow:4px 4px  
4px 4px #33048E; box-shadow:4px 4px 4px  
4px #33048E }
```

# Background

The CSS property to change the background color of an element to Hex 33048E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33048E }
```

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

```
.background{ background-color:#33048E }
```

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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