

# Converting Colors

Hex(FF33A0)

Have a look what the booklet for  
Hex(FF33A0) contains.

<b>Hex(FF33A0)</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(F33A0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF33A0
RGB	255, 51, 160
RGB Percent	100%, 20%, 63%
CMY	0.0000, 0.8000, 0.3725
CMYK	0.00, 0.80, 0.37, 0.00
HSL	328°, 100%, 60%
HSV	328°, 80%, 100%
XYZ	48.7690, 26.1657, 35.7378
YIQ	124.4220, 86.5950, 77.1470

# Conversions

## Conversions Part 2

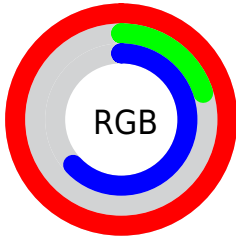
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 51, 160
Decimal	16724896
CIE <sub>Lab</sub>	58.19, 80.49, -10.04
CIE <sub>LCh</sub>	58, 81.109, 352.890
Yxy	26.1657, 0.4407, 0.2364
Android (android.graphics.Color)	4294914976 (0xFFFF33A0)
YUV	124.4220, 17.5400, 114.5169
Hunter-Lab	51.1524, 80.6660, -5.6164

# Details

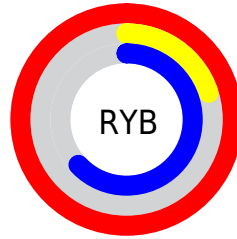
The Hex color **FF33A0** is a light color, and the websafe version is hex **FF3399**. The color can be described as light washed rose. A complement of this color would be **33FF92**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **FF77D7**, and **C1006D** is the 20% darker color. If you saturate the color by 10%, you get **FF1994**, and if you desaturate by 10%, it is **FF4DAC**.

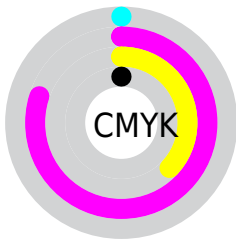
# Distribution



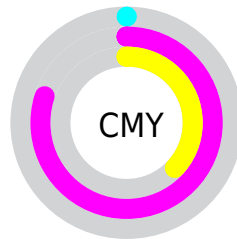
- Red (100%)
- Green (20%)
- Blue (63%)



- Red (100%)
- Yellow (20%)
- Blue (63%)



- Cyan (0%)
- Magenta (80%)
- Yellow (37%)
- Black (0%)



- Cyan (0%)
- Magenta (80%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF33A0 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 FF33A0 by changing the saturation by 10% instead.



 FF33A0

 FF33A0

FFFFFF

 E00086

 FF77D7

 C1006D

 FF96F3

 A20054

 FFB4FF

 84003D

 FFD2FF

 660028

 FFF1FF

 4A0013

 2A0001

 000000

 FF33A0

 FF33A0

■ FF1994

■ FF4DAC

■ FF0088

■ FF66B8

■ FF80C4

■ FF99D0

■ FFB3DB

■ FFCCE7

■ FFE6F3

FFFFFF

# Harmonies

## Analogous

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



CF5AE3



FF33A0



FF3B5A

# Triad

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



FF33A0



759800



00A7FD

# Complementary

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



FF33A0



33FF92

# 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.



00ABC1



FF33A0



00A42B

# Square

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



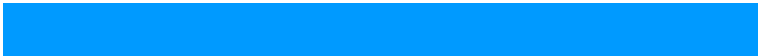
FF33A0



B78300



00A978



009AFF

# Rectangle

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



FF33A0



F5552C



00A978



00A9EC



# Sweetspot

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



FF33A0



FFC2E3



8F33FF



805B6E



000000



808080



# Same Dimension

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



FF33A0



FF0A8D



FF333D



80737A



BF0066



400022



# Inverse Universe

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



FF33A0



FF0A8D



33FFF5



80737A



BF0066



400022



# Previews

## White Background



This preview shows how the Hex color FF33A0 looks on a white background.

## Color Contrast Check

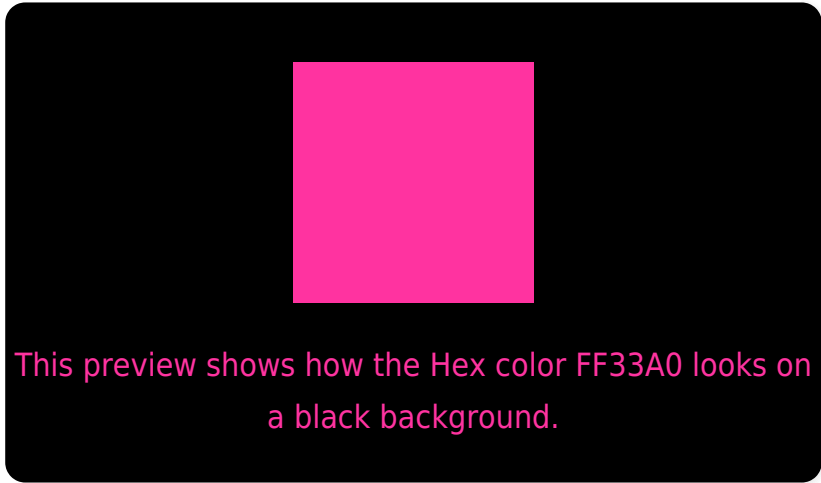
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black 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 × Fail

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



## Hex FF33A0 Background



This preview shows how black text looks on a background with the Hex color FF33A0.



This preview shows how white text looks on a background with the Hex color FF33A0.

# Color Blindness Simulation

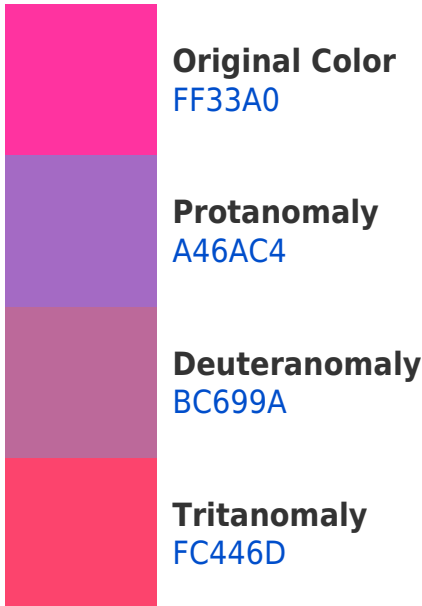
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF33A0 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 #FF33A0 looks like.

```
.text, #text, p{  
    color:#FF33A0  
}
```

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 #FF33A0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF33A0
}
```

## Border

The CSS property to change the border of an element to Hex FF33A0 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
#FF33A0 }
```

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

```
.border{ border-color:#FF33A0 }
```

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

Here you see how a box with a 4 pixel #FF33A0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF33A0; -webkit-box-shadow:4px 4px  
4px 4px #FF33A0; box-shadow:4px 4px 4px  
4px #FF33A0 }
```

# Background

The CSS property to change the background color of an element to Hex FF33A0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF33A0 }
```

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

```
.background{ background-color:#FF33A0 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor