

# Converting Colors

Hex(FF33C4)

Have a look what the booklet for  
Hex(FF33C4) contains.

<b>Hex(FF33C4)</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(F33C4)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF33C4
RGB	255, 51, 196
RGB Percent	100%, 20%, 77%
CMY	0.0000, 0.8000, 0.2314
CMYK	0.00, 0.80, 0.23, 0.00
HSL	317°, 100%, 60%
HSV	317°, 80%, 100%
XYZ	52.3876, 27.6132, 54.7933
YIQ	128.5260, 75.0390, 88.3430

# Conversions

## Conversions Part 2

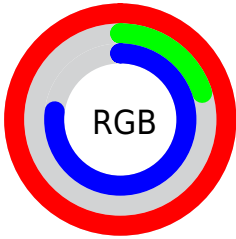
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 51, 196
Decimal	16724932
CIE <sub>Lab</sub>	59.54, 84.36, -28.84
CIE <sub>LCh</sub>	60, 89.154, 341.123
Yxy	27.6132, 0.3886, 0.2049
Android (android.graphics.Color)	4294915012 (0xFFFF33C4)
YUV	128.5260, 33.2647, 110.9177
Hunter-Lab	52.5482, 85.9950, -25.0393

# Details

The Hex color **FF33C4** is a light color, and the websafe version is hex **FF33CC**. The color can be described as light washed magenta. A complement of this color would be **33FF6E**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **FF78FD**, and **C1008E** is the 20% darker color. If you saturate the color by 10%, you get **FF19BD**, and if you desaturate by 10%, it is **FF4DCB**.

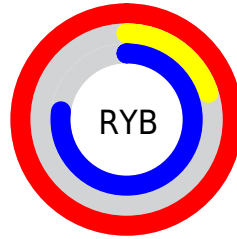
# Distribution



Red (100%)

Green (20%)

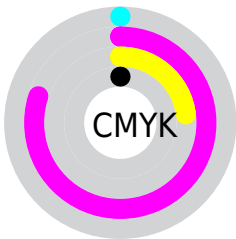
Blue (77%)



Red (100%)

Yellow (20%)

Blue (77%)

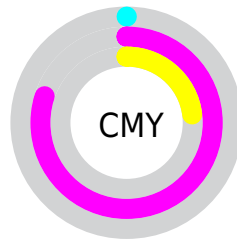


Cyan (0%)

Magenta (80%)

Yellow (23%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF33C4 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 FF33C4 by changing the saturation by 10% instead.



 FF33C4

 FF33C4

FFFFFF

 E000A9

 FF78FD

 C1008E

 FF97FF

 A30074

 FFB6FF

 85005B

 FFD4FF

 680043

 FFF3FF

 4D002D

 2E0017

 000000

 FF33C4

 FF33C4

 FF19BD

 FF4DCB

 FF00B5

 FF66D3

 FF80DA

 FF99E1

 FFB3E9

 FFCCF0

 FFE6F8

FFFFFF

# Harmonies

## Analogous

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



B36AFF



FF33C4



FF1476

# Triad

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



FF33C4



939500



00AFF6

# Complementary

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



FF33C4



33FF6E

# 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.



00B0AC



FF33C4



2EA600

# Square

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



FF33C4



D57900



00AD59



00A6FF

# Rectangle

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



FF33C4



FF3B43



00AD59



00B0DF



# Sweetspot

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



FF33C4



FFC2ED



6D33FF



805B75



000000



808080



# Same Dimension

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



FF33C4



FF0AB8



FF335F



80737C



BF0088



40002D



# Inverse Universe

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



FF33C4



FF0AB8



33FFD3



80737C



BF0088



40002D



# Previews

## White Background



This preview shows how the Hex color FF33C4 looks on a white background.

## Color Contrast Check

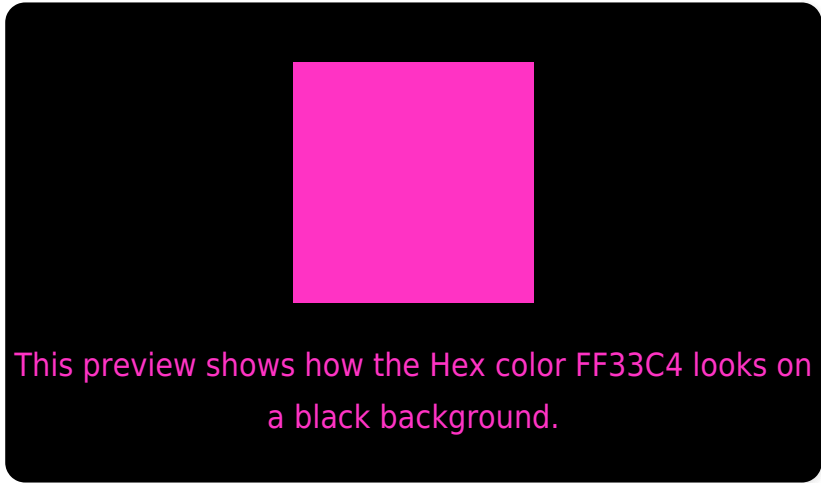
Large Text (above 18pt) WCAG AA ✓ Pass

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 FF33C4 Background



This preview shows how black text looks on a background with the Hex color FF33C4.




This preview shows how white text looks on a background with the Hex color FF33C4.

# 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**  
F7585D

# Trichromacy



**Original Color**  
FF33C4



**Protanomaly**  
956CEA



**Deuteranomaly**  
B36CBD



**Tritanomaly**  
FA4B82

# Monochromacy



**Original Color**  
FF33C4



**Achromatopsia**  
818181



**Achromatomaly**  
AF6599

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF33C4 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 #FF33C4 looks like.

```
.text, #text, p{  
    color:#FF33C4  
}
```

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 #FF33C4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF33C4
}
```

## Border

The CSS property to change the border of an element to Hex FF33C4 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
#FF33C4 }
```

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

```
.border{ border-color:#FF33C4 }
```

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

Here you see how a box with a 4 pixel #FF33C4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF33C4; -webkit-box-shadow:4px 4px  
4px 4px #FF33C4; box-shadow:4px 4px 4px  
4px #FF33C4 }
```

# Background

The CSS property to change the background color of an element to Hex FF33C4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF33C4 }
```

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

```
.background{ background-color:#FF33C4 }
```

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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