

# Converting Colors

Hex(FF33D3)

Have a look what the booklet for  
Hex(FF33D3) contains.

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**Color**

**Hex(FF33D3)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF33D3
RGB	255, 51, 211
RGB Percent	100%, 20%, 83%
CMY	0.0000, 0.8000, 0.1725
CMYK	0.00, 0.80, 0.17, 0.00
HSL	313°, 100%, 60%
HSV	313°, 80%, 100%
XYZ	54.1817, 28.3308, 64.2407
YIQ	130.2360, 70.2240, 93.0080

# Conversions

## Conversions Part 2

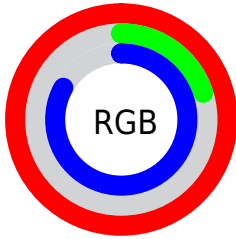
Format	Color
<a href="#">RYB</a>	255, 51, 211
Decimal	16724947
CIELab	60.19, 86.19, -36.39
CIElCh	60, 93.556, 337.111
Yxy	28.3308, 0.3692, 0.1931
Android (android.graphics.Color)	4294915027 (0xFFFF33D3)
YUV	130.2360, 39.8167, 109.4180
Hunter-Lab	53.2267, 88.5560, -34.3000

# Details

The Hex color **FF33D3** 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 **33FF5F**, and the grayscale version is **828282**.

A 20% lighter version of the original color is **FF79FF**, and **C2009C** is the 20% darker color. If you saturate the color by 10%, you get **FF19CD**, and if you desaturate by 10%, it is **FF4DD8**.

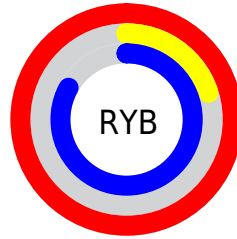
# Distribution



Red (100%)

Green (20%)

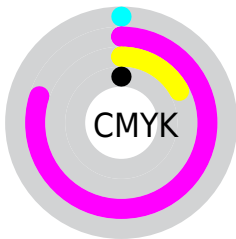
Blue (83%)



Red (100%)

Yellow (20%)

Blue (83%)

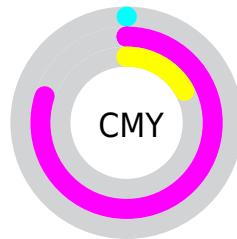


Cyan (0%)

Magenta (80%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (80%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF33D3 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 FF33D3 by changing the saturation by 10% instead.



 FF33D3

 FF33D3

FFFFFF

 E000B7

 FF79FF

 C2009C

 FF98FF

 A40082

 FFB6FF

 860068

 FFD5FF

 69004F

 FFF3FF

 4D0038

 2F0021

 000005

 000000

 FF33D3

 FF33D3

 FF19CD

 FF4DD8

 FF00C8

 FF66DE

 FF80E3

 FF99E9

 FFB3EF

 FFCCF4

 FFE6FA

FFFFFF

# Harmonies

## Analogous

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



A570FF



FF33D3



FF0081

# Triad

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



FF33D3



9E9400



00B3F4

# Complementary

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



FF33D3



33FF5F

# 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.



00B3A3



FF33D3



3EA700

# Square

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



FF33D3



E17400



00B04C



00ABFF

# Rectangle

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



FF33D3



FF284C



00B04C



00B3DB



# Sweetspot

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



FF33D3



FFC2F2



5C33FF



805B78



000000



808080



# Same Dimension

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



FF33D3



FF0ACA



FF3370



80737D



BF0096



400032



# Inverse Universe

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



FF33D3



FF0ACA



33FFC2



80737D



BF0096



400032



# Previews

## White Background



This preview shows how the Hex color FF33D3 looks on a white background.

## Color Contrast Check

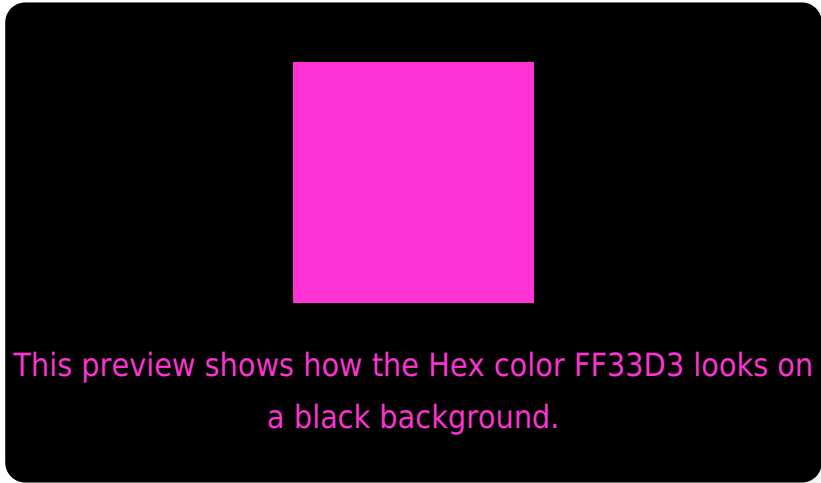
Large Text (above 18pt) WCAG AA ✓ Pass

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 FF33D3 Background



This preview shows how black text looks on a background with the Hex color FF33D3.



This preview shows how white text looks on a background with the Hex color FF33D3.

# 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**  
FF33D3

**Protanopia**  
5C8EFF

**Deuteranopia**  
818FC7



**Tritanopia**  
F55D63

# Trichromacy



**Original Color**  
FF33D3



**Protanomaly**  
976DEF



**Deuteranomaly**  
AF6ECB



**Tritanomaly**  
F94E8C

# Monochromacy



**Original Color**  
FF33D3



**Achromatopsia**  
828282



**Achromatomaly**  
AF659F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF33D3 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 #FF33D3 looks like.

```
.text, #text, p{  
    color:#FF33D3  
}
```

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 #FF33D3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF33D3
}
```

## Border

The CSS property to change the border of an element to Hex FF33D3 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
#FF33D3 }
```

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

```
.border{ border-color:#FF33D3 }
```

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

Here you see how a box with a 4 pixel #FF33D3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF33D3; -webkit-box-shadow:4px 4px  
4px 4px #FF33D3; box-shadow:4px 4px 4px  
4px #FF33D3 }
```

# Background

The CSS property to change the background color of an element to Hex FF33D3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF33D3 }
```

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

```
.background{ background-color:#FF33D3 }
```

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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