

Converting Colors

Hex(FF3333)

Have a look what the booklet for
Hex(FF3333) contains.

Hex(FF3333)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(**FF3333**)

Conversions

Conversions Part 1

Format	Color
Hex	FF3333
RGB	255, 51, 51
RGB Percent	100%, 20%, 20%
CMY	0.0000, 0.8000, 0.8000
CMYK	0.00, 0.80, 0.80, 0.00
HSL	0°, 100%, 60%
HSV	0°, 80%, 100%
XYZ	43.0214, 23.8667, 5.4712
YIQ	111.9960, 121.5840, 43.2480

Conversions

Conversions Part 2

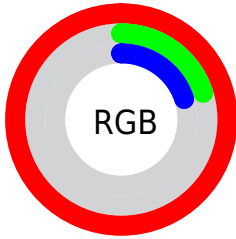
Format	Color
R_{YB}	255, 51, 51
Decimal	16724787
CIE Lab	55.95, 73.75, 50.26
CIE LCh	56, 89.248, 34.271
Yxy	23.8667, 0.5946, 0.3298
Android (android.graphics.Color)	4294914867 (0xFFFF3333)
YUV	111.9960, -30.0710, 125.4145
Hunter-Lab	48.8535, 71.6969, 27.5574

Details

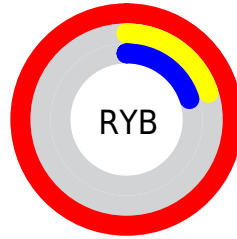
The Hex color **FF3333** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **33FFFF**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **FF7463**, and **BD0005** is the 20% darker color. If you saturate the color by 10%, you get **FF1919**, and if you desaturate by 10%, it is **FF4D4D**.

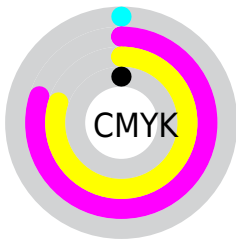
Distribution



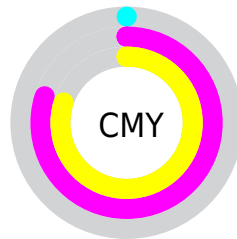
- Red (100%)
- Green (20%)
- Blue (20%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the Hex color FF3333 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 FF3333 by changing the saturation by 10% instead.

 FF3333

 FF3333

FFFFFF

 DE001C

 FF7463

 BD0005

 FF927C

 9C0000

 FFB097

 7C0000

 FFCEB2

 5C0002

 FFECCD

 3E0003

 FFFFEA

 1A0001

 000000

 FF3333

 FF3333

 FF1919

 FF4D4D

 FF0000

 FF6666

 FF8080

 FF9999

 FFB3B3

 FFCCCC

 FFE6E6

FFFFFF

Harmonies

Analogous

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



FF007F



FF3333



D66700

Triad

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



FF3333



00A23C



008DFF

Complementary

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



FF3333



33FFFF

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.



009FFF



FF3333



00A690

Square

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



FF3333



449900



00A6DC



8C6BFF

Rectangle

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



FF3333



AF7E00



00A6DC



0095FF

Sweetspot

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



FF3333



FFC2C2



FF33FF



805B5B



000000



808080

Same Dimension

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



FF3333



FF0A0A



FF9933



807373



BF0000



400000

Inverse Universe

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



33FFFF



0AFFFF



3399FF



738080



00BFBF



004040

Previews

White Background



This preview shows how the Hex color FF3333 looks on a white background.

Color Contrast Check

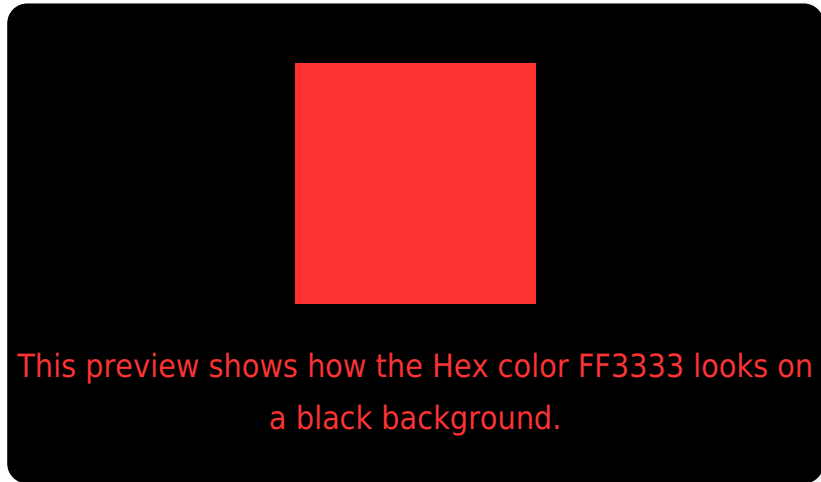
Large Text (above 18pt) WCAG AA ✓ Pass

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 FF3333 Background



This preview shows how black text looks on a background with the Hex color FF3333.



This preview shows how white text looks on a background with the Hex color FF3333.

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
FF3333

Protanopia
94864A

Deuteranopia
A98021



Tritanopia
FF3333

Trichromacy



Original Color
FF3333

Protanomaly
BB6842

Deuteranomaly
C86428

Tritanomaly
FF3333

Monochromacy



Original Color
FF3333

Achromatopsia
707070

Achromatomaly
A45A5A

CSS Examples

Text

The CSS property to change the color of the text to Hex FF3333 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 #FF3333 looks like.

```
.text, #text, p{  
    color:#FF3333  
}
```

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 #FF3333 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF3333
}
```

Border

The CSS property to change the border of an element to Hex FF3333 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".

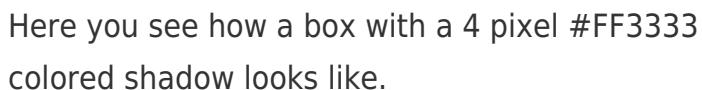
```
.border, #border, table{ border:4px solid
#FF3333 }
```

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

```
.border{ border-color:#FF3333 }
```

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

Here you see how a box with a 4 pixel #FF3333 colored shadow looks like.

A rectangular box with a red border and a red shadow. The box is white with a red border and a red shadow. The shadow is a 4px red shadow.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF3333; -webkit-box-shadow:4px 4px  
4px 4px #FF3333; box-shadow:4px 4px 4px  
4px #FF3333 }
```

Background

The CSS property to change the background color of an element to Hex FF3333 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF3333 }
```

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

```
.background{ background-color:#FF3333 }
```

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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