

# Converting Colors

Hex(FF1313)

Have a look what the booklet for  
Hex(FF1313) contains.

<b>Hex(FF1313)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	28

**Color**

**Hex(F1313)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF1313
RGB	255, 19, 19
RGB Percent	100%, 7%, 7%
CMY	0.0000, 0.9255, 0.9255
CMYK	0.00, 0.93, 0.93, 0.00
HSL	0°, 100%, 54%
HSV	0°, 93%, 100%
XYZ	41.5904, 21.7728, 2.6266
YIQ	89.5640, 140.6560, 50.0320

# Conversions

## Conversions Part 2

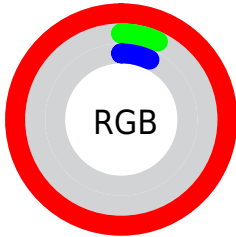
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 19, 19
Decimal	16716563
CIE <sub>Lab</sub>	53.79, 78.80, 62.53
CIE <sub>LCh</sub>	54, 100.594, 38.434
Yxy	21.7728, 0.6303, 0.3299
Android (android.graphics.Color)	4294906643 (0xFFFF1313)
YUV	89.5640, -34.7881, 145.0874
Hunter-Lab	46.6613, 77.4444, 29.3254

# Details

The Hex color **FF1313** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark washed red. A complement of this color would be **13FFFF**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **FF6546**, and **BC0000** is the 20% darker color. If you saturate the color by 10%, you get **FF0000**, and if you desaturate by 10%, it is **FF2D2D**.

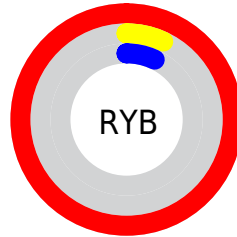
# Distribution



Red (100%)

Green (7%)

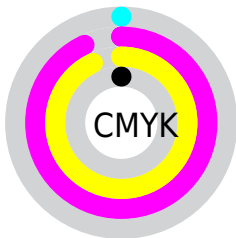
Blue (7%)



Red (100%)

Yellow (7%)

Blue (7%)

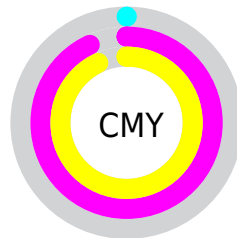


Cyan (0%)

Magenta (93%)

Yellow (93%)

Black (0%)



Cyan (0%)

Magenta (93%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF1313 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 FF1313 by changing the saturation by 10% instead.



 FF1313

 FF1313

FFFFFF

 DD0000

 FF6546

 BC0000

 FF845F

 9A0000

 FFA279

 7A0001

 FFC094

 5A0003

 FFDFAF

 3B0002

 FFFDCB

 140000

 FFFF7E

 000000

 FF1313

 FF1313

 FF0000

 FF2D2D

 FF4646

 FF6060

 FF7979

 FF9393

 FFACAC

 FFC6C6

 FFD9DF

 FFF9F9

# Harmonies

## Analogous

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



FF006D



FF1313



CE6300

# Triad

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



FF1313



009F3A



0086FF

# Complementary

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



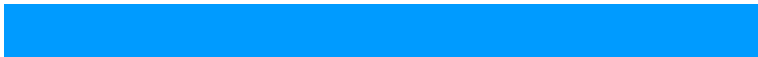
FF1313



13FFFF

# 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.



009BFF



FF1313



00A298

# Square

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



FF1313



009700



00A2EC



9759FF

# Rectangle

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



FF1313



A17C00



00A2EC



008FFF



# Sweetspot

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



FF1313



FFB8B8



FF13FF



805454



000000



808080



# Same Dimension

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



FF1313



FF0000



FF8913



807373



BF0000



400000



# Inverse Universe

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



13FFFF



00FFFF



1389FF



738080



00BFBF



004040



# Previews

## White Background



This preview shows how the Hex color FF1313 looks on a white background.

## Color Contrast Check

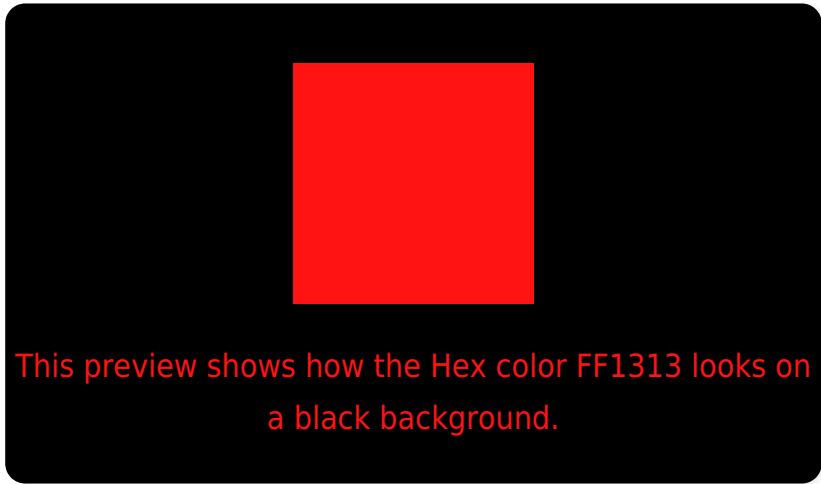
Large Text (above 18pt) WCAG AA ✓ Pass

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 FF1313 Background



This preview shows how black text looks on a background with the Hex color FF1313.



This preview shows how white text looks on a background with the Hex color FF1313.

# 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**  
FF1313

**Protanopia**  
918229

**Deuteranopia**  
A37B00

# Trichromacy



**Original Color**  
FF1313

**Protanomaly**  
B95A21

**Deuteranomaly**  
C45507

# Monochromacy



**Original Color**  
FF1313

**Achromatopsia**  
5A5A5A

**Achromatomaly**  
964040

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF1313 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 #FF1313 looks like.

```
.text, #text, p{  
    color:#FF1313  
}
```

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 #FF1313 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF1313
}
```

## Border

The CSS property to change the border of an element to Hex FF1313 is called "border". The border property can be set on classes, ids or directly on the HTML element.

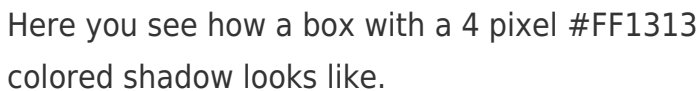
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#FF1313 }
```

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

```
.border{ border-color:#FF1313 }
```

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



Here you see how a box with a 4 pixel `#FF1313` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF1313; -webkit-box-shadow:4px 4px  
4px 4px #FF1313; box-shadow:4px 4px 4px  
4px #FF1313 }
```

# Background

The CSS property to change the background color of an element to Hex FF1313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF1313 }
```

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

```
.background{ background-color:#FF1313 }
```

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