

Converting Colors

Hex(FF2121)

Have a look what the booklet for
Hex(FF2121) contains.

Hex(FF2121)	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(F2121)

Conversions

Conversions Part 1

Format	Color
Hex	FF2121
RGB	255, 33, 33
RGB Percent	100%, 13%, 13%
CMY	0.0000, 0.8706, 0.8706
CMYK	0.00, 0.87, 0.87, 0.00
HSL	0°, 100%, 56%
HSV	0°, 87%, 100%
XYZ	42.0584, 22.4575, 3.5569
YIQ	99.3780, 132.3120, 47.0640

Conversions

Conversions Part 2

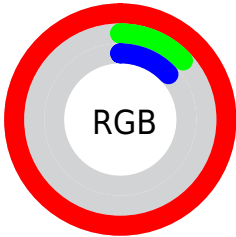
Format	Color
R_{YB}	255, 33, 33
Decimal	16720161
CIE Lab	54.51, 77.10, 57.63
CIE LCh	55, 96.257, 36.780
Yxy	22.4575, 0.6178, 0.3299
Android (android.graphics.Color)	4294910241 (0xFFFF2121)
YUV	99.3780, -32.7244, 136.4805
Hunter-Lab	47.3894, 75.4885, 28.7225

Details

The Hex color **FF2121** 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 **21FFFF**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **FF6A52**, and **BC0000** is the 20% darker color. If you saturate the color by 10%, you get **FF0808**, and if you desaturate by 10%, it is **FF3A3A**.

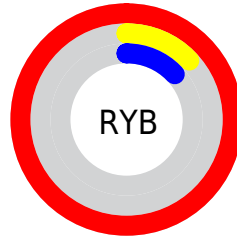
Distribution



Red (100%)

Green (13%)

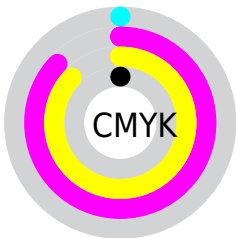
Blue (13%)



Red (100%)

Yellow (13%)

Blue (13%)

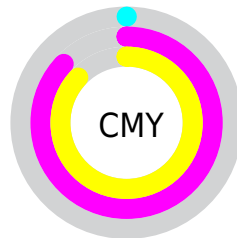


Cyan (0%)

Magenta (87%)

Yellow (87%)

Black (0%)



Cyan (0%)

Magenta (87%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color FF2121 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 FF2121 by changing the saturation by 10% instead.

 FF2121

 FF2121

FFFFFF

 DD0007

 FF6A52

 BC0000

 FF896B

 9B0000

 FFA785

 7A0000

 FFC59F

 5B0003

 FFE3BB

 3C0003

 FFFFD7

 160000

 FFFFF3

 000000

 FF2121

 FF2121

 FF0808

 FF3A3A

 FF0000

 FF5454

 FF6D6D

 FF8787

 FFA1A1

 FFBABA

 FFD3D3

 FFEDED

FFFFFF

Harmonies

Analogous

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



FF0074



FF2121



D16400

Triad

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



FF2121



00A03A



0089FF

Complementary

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



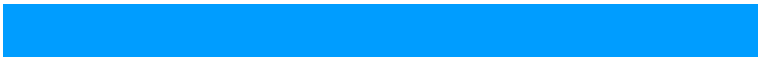
FF2121



21FFFF

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.



009DFF



FF2121



00A394

Square

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



FF2121



239700



00A3E5



9260FF

Rectangle

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



FF2121



A77C00



00A3E5



0091FF

Sweetspot

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



FF2121



FFBDBD



FF21FF



805858



000000



808080

Same Dimension

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



FF2121



FF0000



FF9021



807373



BF0000



400000

Inverse Universe

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



21FFFF



00FFFF



2190FF



738080



00BFBF



004040

Previews

White Background



This preview shows how the Hex color FF2121 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 FF2121 Background



This preview shows how black text looks on a background with the Hex color FF2121.



This preview shows how white text looks on a background with the Hex color FF2121.

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
FF2121

Protanopia
928337

Deuteranopia
A57C00



Tritanopia
FF221D

Trichromacy



Original Color
FF2121

Protanomaly
BA5F2F

Deuteranomaly
C65B0C

Tritanomaly
FF221E

Monochromacy



Original Color
FF2121

Achromatopsia
636363

Achromatomaly
9C4B4B

CSS Examples

Text

The CSS property to change the color of the text to Hex FF2121 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 #FF2121 looks like.

```
.text, #text, p{  
    color:#FF2121  
}
```

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 #FF2121 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF2121
}
```

Border

The CSS property to change the border of an element to Hex FF2121 is called "border". The border property can be set on classes, ids or directly on the HTML element.

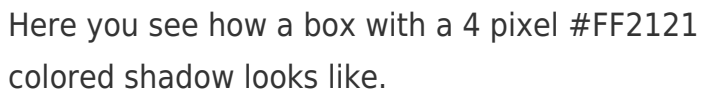
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#FF2121 }
```

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

```
.border{ border-color:#FF2121 }
```

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



Here you see how a box with a 4 pixel #FF2121 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF2121; -webkit-box-shadow:4px 4px  
4px 4px #FF2121; box-shadow:4px 4px 4px  
4px #FF2121 }
```

Background

The CSS property to change the background color of an element to Hex FF2121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF2121 }
```

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

```
.background{ background-color:#FF2121 }
```

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