

Converting Colors

Hex(FF2300)

Have a look what the booklet for
Hex(FF2300) contains.

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Color

Hex(FF2300)

Conversions

Conversions Part 1

Format	Color
Hex	FF2300
RGB	255, 35, 0
RGB Percent	100%, 14%, 0%
CMY	0.0000, 0.8627, 1.0000
CMYK	0.00, 0.86, 1.00, 0.00
HSL	8°, 100%, 50%
HSV	8°, 100%, 100%
XYZ	41.8410, 22.4621, 2.1303
YIQ	96.7900, 142.3550, 35.7550

Conversions

Conversions Part 2

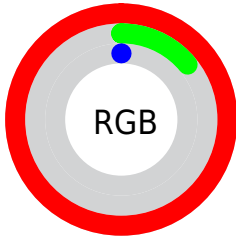
Format	Color
RYB	255, 41, 0
Decimal	16720640
CIELab	54.51, 76.42, 67.68
CIElCh	55, 102.082, 41.531
Yxy	22.4621, 0.6298, 0.3381
Android (android.graphics.Color)	4294910720 (0xFFFF2300)
YUV	96.7900, -47.7175, 138.7502
Hunter-Lab	47.3942, 74.6455, 30.5109

Details

The Hex color **FF2300** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **00DCFF**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **FF6B3C**, and **BC0000** is the 20% darker color. If you saturate the color by 10%, you get **FF2300**, and if you desaturate by 10%, it is **FF3919**.

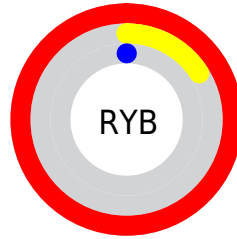
Distribution



Red (100%)

Green (14%)

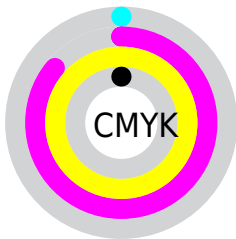
Blue (0%)



Red (100%)

Yellow (16%)

Blue (0%)

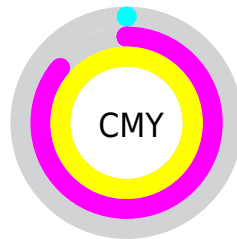


Cyan (0%)

Magenta (86%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (86%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Hex color FF2300 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 FF2300 by changing the saturation by 10% instead.

 FF2300

 FF2300

 FFFFFB

 DD0000

 FF6B3C

 BC0000

 FF8956

 9A0000

 FFA770

 7A0000

 FFC58B

 5A0003

 FFE3A6

 3B0003

 FFFF C2

 150000

 FFFF DE

 000000

 FF2300

 FF3919

 FF4F33

 FF654D

 FF7B66

 FF9180

 FFA799

 FFBDB3

 FFD3CC

 FFE9E6

Harmonies

Analogous

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



FF0065



FF2300



CA6900

Triad

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



FF2300



00A245



0084FF

Complementary

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



FF2300



00DCFF

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.



009CFF



FF2300



00A5A4

Square

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



FF2300



009A00



00A4F8



A853FF

Rectangle

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



FF2300



9B8100



00A4F8



008EFF

Sweetspot

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



FF2300



FFBDB3



FF00DD



805852



000000



808080

Same Dimension

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



FF2300



FFA200



807573



BF1A00



400900

Inverse Universe

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



00DCFF



005EFF



737E80



00A5BF



003740

Previews

White Background



This preview shows how the Hex color FF2300 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 FF2300 Background



This preview shows how black text looks on a background with the Hex color FF2300.

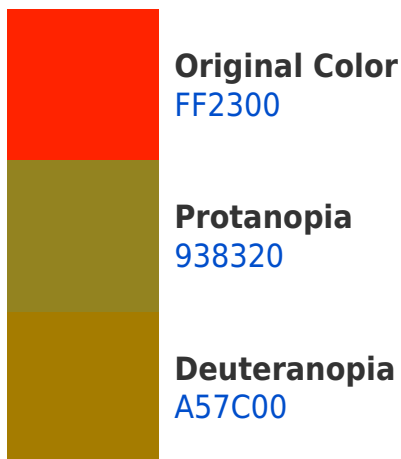


This preview shows how white text looks on a background with the Hex color FF2300.

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](#).

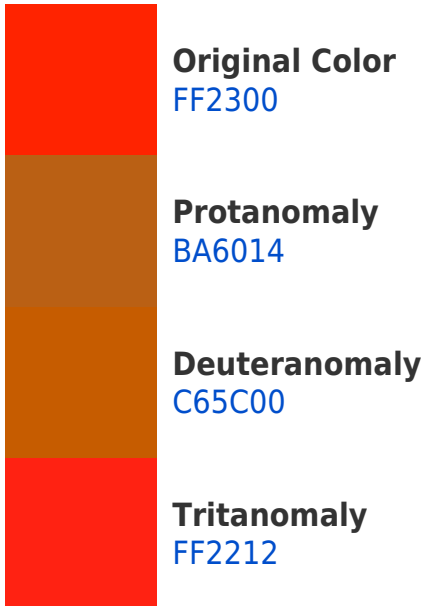
Dichromacy





Tritanopia
FF221D

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex FF2300 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 #FF2300 looks like.

```
.text, #text, p{  
    color:#FF2300  
}
```

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 #FF2300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF2300
}
```

Border

The CSS property to change the border of an element to Hex FF2300 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".

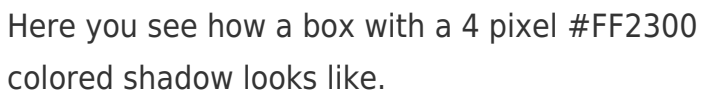
```
.border, #border, table{ border:4px solid
#FF2300 }
```

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

```
.border{ border-color:#FF2300 }
```

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

Here you see how a box with a 4 pixel #FF2300 colored shadow looks like.

A rectangular box with a thick red border and a red shadow. The shadow is cast to the right and bottom of the box, matching the border color.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF2300; -webkit-box-shadow:4px 4px  
4px 4px #FF2300; box-shadow:4px 4px 4px  
4px #FF2300 }
```

Background

The CSS property to change the background color of an element to Hex FF2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF2300 }
```

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

```
.background{ background-color:#FF2300 }
```

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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