

# Converting Colors

Hex(F42200)

Have a look what the booklet for  
Hex(F42200) contains.

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**Color**

**Hex(F42200)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | F42200                     |
| RGB           | 244, 34, 0                 |
| RGB Percent   | 96%, 13%, 0%               |
| CMY           | 0.0431, 0.8667, 1.0000     |
| CMYK          | 0.00, 0.86, 1.00, 0.04     |
| HSL           | 8°, 100%, 48%              |
| HSV           | 8°, 100%, 96%              |
| XYZ           | 37.8803, 20.3772, 1.9367   |
| YIQ           | 92.9140, 136.0740, 33.9460 |

# Conversions

## Conversions Part 2

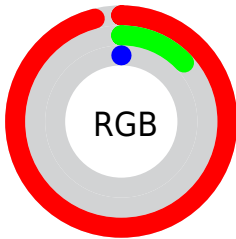
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 244, 40, 0                     |
| Decimal                             | 15999488                       |
| CIE <sub>Lab</sub>                  | 52.26, 73.73, 65.48            |
| CIE <sub>LCh</sub>                  | 52, 98.610, 41.612             |
| Yxy                                 | 20.3772, 0.6293,<br>0.3385     |
| Android<br>(android.graphics.Color) | 4294189568<br>(0xFFFF42200)    |
| YUV                                 | 92.9140, -45.8066,<br>132.5024 |
| Hunter-Lab                          | 45.1411, 70.7920,<br>29.0550   |

# Details

The Hex color **F42200** 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 **00D2F4**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **FF683B**, and **B10000** is the 20% darker color. If you saturate the color by 10%, you get **F42200**, and if you desaturate by 10%, it is **F43718**.

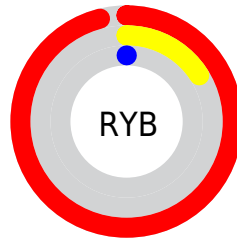
# Distribution



Red (96%)

Green (13%)

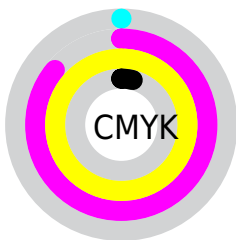
Blue (0%)



Red (96%)

Yellow (16%)

Blue (0%)

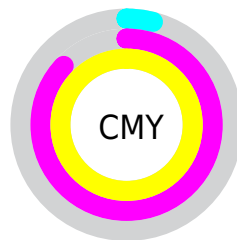


Cyan (0%)

Magenta (86%)

Yellow (100%)

Black (4%)



Cyan (4%)

Magenta (87%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F42200 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 F42200 by changing the saturation by 10% instead.



 F42200

 F42200

 FFFFFFF9

 D20000

 FF683B

 B10000

 FF8754

 900000

 FFA46E

 700001

 FFC289

 520003

 FFE0A4

 320002

 FFFEC0

 000000

 FFFFDC

 F42200

 F43718

 F44C31

 F46149

 F47662

 F48B7A

 F4A092

 F4B5AB

 F4CAC3

 F4DFDC

# Harmonies

## Analogous

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



FF0061



F42200



C16400

# Triad

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



F42200



009B42



007EFF

# Complementary

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



F42200



00D2F4

# 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.



0095FF



F42200



009E9D

# Square

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



F42200



009400



009DED



A14FFE

# Rectangle

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



F42200



947C00



009DED



0088FF



# Sweetspot

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



F42200



FFBDB3



F400D3



805852



000000



808080



# Same Dimension

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



F42200



FF2400



F49B00



7A706E



BA1A00



3B0800



# Inverse Universe

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



00D2F4



00DBFF



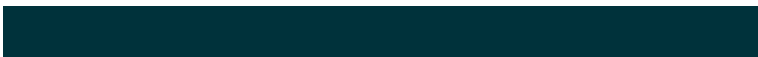
0059F4



6E797A



00A0BA



00323B



# Previews

## White Background



This preview shows how the Hex color F42200 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 F42200 Background



This preview shows how black text looks on a background with the Hex color F42200.



This preview shows how white text looks on a background with the Hex color F42200.

# 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**  
F42200

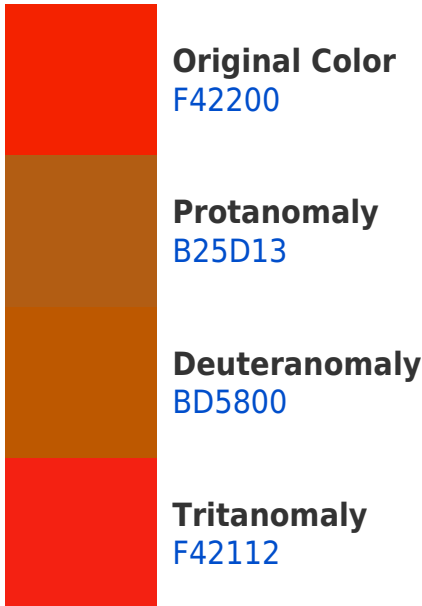
**Protanopia**  
8D7E1E

**Deuteranopia**  
9E7700

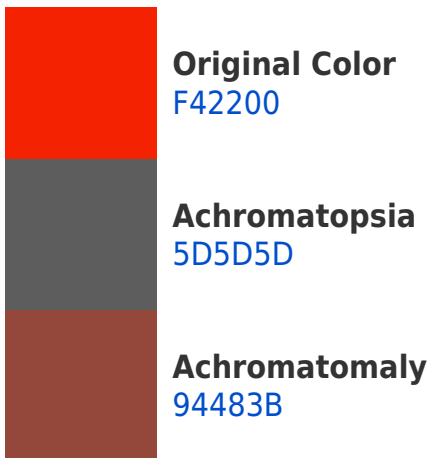


**Tritanopia**  
F4201C

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex F42200 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 #F42200 looks like.

```
.text, #text, p{  
    color:#F42200  
}
```

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 #F42200 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F42200
}
```

## Border

The CSS property to change the border of an element to Hex F42200 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".

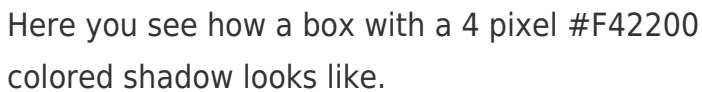
```
.border, #border, table{ border:4px solid
#F42200 }
```

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

```
.border{ border-color:#F42200 }
```

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

Here you see how a box with a 4 pixel #F42200 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 red color of the border.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F42200; -webkit-box-shadow:4px 4px  
4px 4px #F42200; box-shadow:4px 4px 4px  
4px #F42200 }
```

# Background

The CSS property to change the background color of an element to Hex F42200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F42200 }
```

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

```
.background{ background-color:#F42200 }
```

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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