

# Converting Colors

Hex(F41205)

Have a look what the booklet for  
Hex(F41205) contains.

<b>Hex(F41205)</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> .....	29

**Color**

**Hex(F41205)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F41205
RGB	244, 18, 5
RGB Percent	96%, 7%, 2%
CMY	0.0431, 0.9294, 0.9804
CMYK	0.00, 0.93, 0.98, 0.04
HSL	3°, 96%, 49%
HSV	3°, 98%, 96%
XYZ	37.5519, 19.6767, 1.9623
YIQ	84.0920, 138.8690, 43.8690

# Conversions

## Conversions Part 2

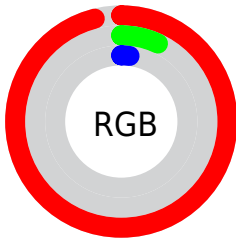
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 19, 5
Decimal	15995397
CIE Lab	51.47, 76.07, 63.89
CIE LCh	51, 99.342, 40.026
Yxy	19.6767, 0.6344, 0.3324
Android (android.graphics.Color)	4294185477 (0xFFFF41205)
YUV	84.0920, -38.9924, 140.2393
Hunter-Lab	44.3584, 73.4833, 28.4280

# Details

The Hex color **F41205** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **05E7F4**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **FF623D**, and **B10000** is the 20% darker color. If you saturate the color by 10%, you get **F40D00**, and if you desaturate by 10%, it is **F4291D**.

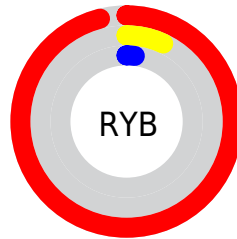
# Distribution



Red (96%)

Green (7%)

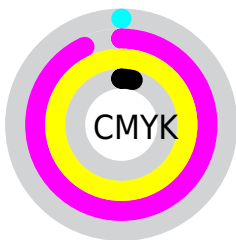
Blue (2%)



Red (96%)

Yellow (7%)

Blue (2%)

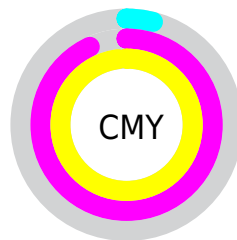


Cyan (0%)

Magenta (93%)

Yellow (98%)

Black (4%)



Cyan (4%)

Magenta (93%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F41205 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 F41205 by changing the saturation by 10% instead.



 F41205

 F41205

 FFFFFA

 D20000

 FF623D

 B10000

 FF8156

 900000

 FF9F70

 700001

 FFBD8A

 510004

 FFDBA5

 310002

 FFF9C1

 000000

 FFFFDD

 F41205

 F41205

 F40D00

 F4291D

 F44036

 F4574E

 F46E67

 F4857F

 F49C97

 F4B4B0

 F4CBC8

 F4E2E1

# Harmonies

## Analogous

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



FF0063



F41205



C26000

# Triad

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



F41205



00983B



007EFF

# Complementary

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



F41205



05E7F4

# 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.



0094FF



F41205



009B96

# Square

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



F41205



009100



009BE8



9850FF

# Rectangle

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



F41205



967800



009BE8



0088FF



# Sweetspot

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



F41205



FFB9B5



F405E8



805553



000000



808080



# Same Dimension

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



F41205



FF0E00



F48805



7A6F6E



BA0A00



3B0300



# Inverse Universe

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



05E7F4



00F1FF



0571F4



6E7A7A



00B0BA



00373B



# Previews

## White Background



This preview shows how the Hex color F41205 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 F41205 Background



This preview shows how black text looks on a background with the Hex color F41205.

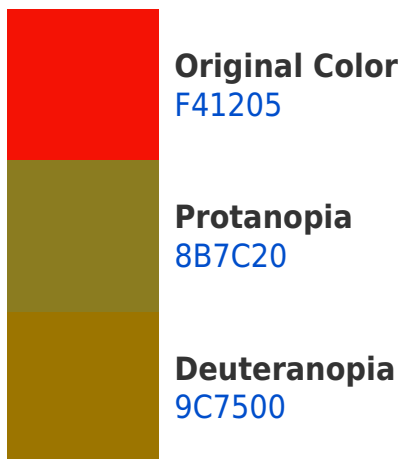


This preview shows how white text looks on a background with the Hex color F41205.

# 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](#).

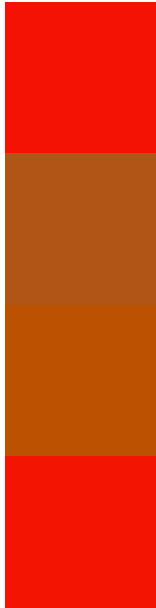
## Dichromacy





**Tritanopia**  
F31600

# Trichromacy



**Original Color**  
F41205

**Protanomaly**  
B15516

**Deuteranomaly**  
BC5102

**Tritanomaly**  
F31502

# Monochromacy



**Original Color**  
F41205

**Achromatopsia**  
545454

**Achromatomaly**  
8E3C37

# CSS Examples

## Text

The CSS property to change the color of the text to Hex F41205 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 #F41205 looks like.

```
.text, #text, p{  
    color:#F41205  
}
```

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 #F41205 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F41205
}
```

## Border

The CSS property to change the border of an element to Hex F41205 is called "border". The border property can be set on classes, ids or directly on the HTML element.

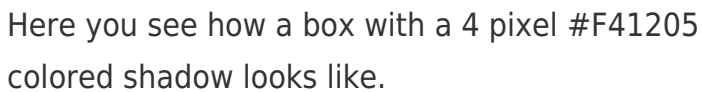
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#F41205 }
```

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

```
.border{ border-color:#F41205 }
```

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



Here you see how a box with a 4 pixel #F41205 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F41205; -webkit-box-shadow:4px 4px  
4px 4px #F41205; box-shadow:4px 4px 4px  
4px #F41205 }
```

# Background

The CSS property to change the background color of an element to Hex F41205 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F41205 }
```

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

```
.background{ background-color:#F41205 }
```

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**