

# Converting Colors

Hex(F21503)

Have a look what the booklet for  
Hex(F21503) contains.

<b>Hex(F21503)</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(F21503)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F21503
RGB	242, 21, 3
RGB Percent	95%, 8%, 1%
CMY	0.0510, 0.9176, 0.9882
CMYK	0.00, 0.91, 0.99, 0.05
HSL	5°, 98%, 48%
HSV	5°, 99%, 95%
XYZ	36.9026, 19.4202, 1.8896
YIQ	85.0270, 137.4940, 41.2540

# Conversions

## Conversions Part 2

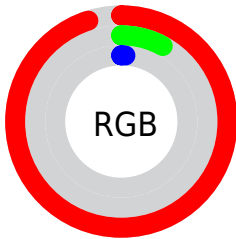
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	242, 22, 3
Decimal	15865091
CIE <sub>Lab</sub>	51.18, 75.21, 64.04
CIE <sub>LCh</sub>	51, 98.783, 40.412
Yxy	19.4202, 0.6339, 0.3336
Android (android.graphics.Color)	4294055171 (0xFFFF21503)
YUV	85.0270, -40.4393, 137.6653
Hunter-Lab	44.0683, 72.3554, 28.3055

# Details

The Hex color **F21503** 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 **03E0F2**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **FF633C**, and **AF0000** is the 20% darker color. If you saturate the color by 10%, you get **F21200**, and if you desaturate by 10%, it is **F22B1B**.

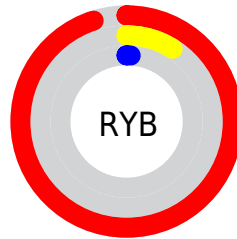
# Distribution



Red (95%)

Green (8%)

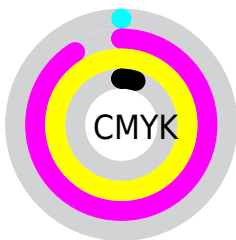
Blue (1%)



Red (95%)

Yellow (9%)

Blue (1%)

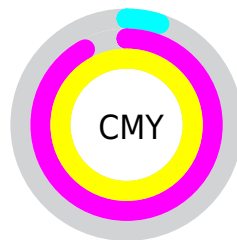


Cyan (0%)

Magenta (91%)

Yellow (99%)

Black (5%)



Cyan (5%)

Magenta (92%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color F21503 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 F21503 by changing the saturation by 10% instead.



 F21503

 F21503

 FFFFFFF9

 D00000

 FF633C

 AF0000

 FF8155

 8E0000

 FF9F6F

 6E0001

 FFBD89

 500004

 FFDBA4

 300002

 FFF9C0

 000000

 FFFFDC

 F21503

 F21503

 F21200

 F22B1B

 F24233

 F2584C

 F26F64

 F2857C

 F29B94

 F2B2AC

 F2C8C5

 F2DEDD

# Harmonies

## Analogous

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



FF0061



F21503



C06000

# Triad

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



F21503



00973C



007DFF

# Complementary

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



F21503



03E0F2

# 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.



0093FF



F21503



009A96

# Square

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



F21503



009000



009AE7



994FFD

# Rectangle

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



F21503



947800



009AE7



0086FF



# Sweetspot

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



F21503



FFB8B3



F203E2



805552



000000



808080



# Same Dimension

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



F21503



FF1300



F28A03



786D6C



B80E00

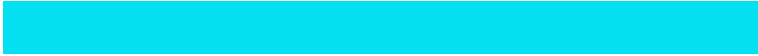


380400



# Inverse Universe

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



03E0F2



00ECFF



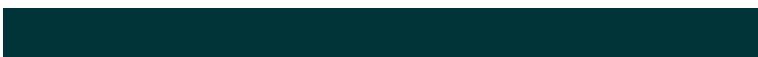
036BF2



6C7778



00AAB8



003438



# Previews

## White Background



This preview shows how the Hex color F21503 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 F21503 Background



This preview shows how black text looks on a background with the Hex color F21503.

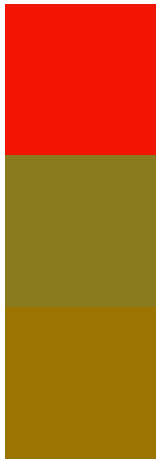


This preview shows how white text looks on a background with the Hex color F21503.

# 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**  
F21503

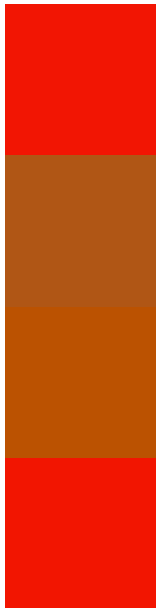
**Protanopia**  
8A7B1F

**Deuteranopia**  
9B7500



**Tritanopia**  
F21500

# Trichromacy



**Original Color**  
F21503

**Protanomaly**  
B05615

**Deuteranomaly**  
BB5201

**Tritanomaly**  
F21501

# Monochromacy



**Original Color**  
F21503

**Achromatopsia**  
555555

**Achromatomaly**  
8E3E37

# CSS Examples

## Text

The CSS property to change the color of the text to Hex F21503 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 #F21503 looks like.

```
.text, #text, p{  
    color:#F21503  
}
```

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 #F21503 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F21503
}
```

## Border

The CSS property to change the border of an element to Hex F21503 is called "border". The border property can be set on classes, ids or directly on the HTML element.

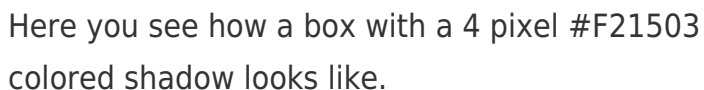
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#F21503 }
```

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

```
.border{ border-color:#F21503 }
```

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



Here you see how a box with a 4 pixel `#F21503` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F21503; -webkit-box-shadow:4px 4px  
4px 4px #F21503; box-shadow:4px 4px 4px  
4px #F21503 }
```

# Background

The CSS property to change the background color of an element to Hex F21503 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F21503 }
```

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

```
.background{ background-color:#F21503 }
```

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**