

Converting Colors

Hex(F00022)

Have a look what the booklet for
Hex(F00022) contains.

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Color

Hex(F00022)

Conversions

Conversions Part 1

Format	Color
Hex	F00022
RGB	240, 0, 34
RGB Percent	94%, 0%, 13%
CMY	0.0588, 1.0000, 0.8667
CMYK	0.00, 1.00, 0.86, 0.06
HSL	352°, 100%, 47%
HSV	352°, 100%, 94%
XYZ	36.2239, 18.6408, 3.2022
YIQ	75.6360, 132.1260, 61.4540

Conversions

Conversions Part 2

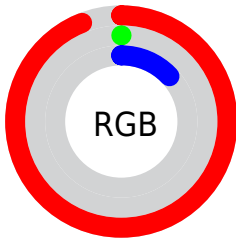
Format	Color
R_{YB}	240, 0, 34
Decimal	15728674
CIE _{Lab}	50.26, 76.89, 52.51
CIE _{LCh}	50, 93.112, 34.332
Yxy	18.6408, 0.6238, 0.3210
Android (android.graphics.Color)	4293918754 (0xFFFF0022)
YUV	75.6360, -20.5265, 144.1472
Hunter-Lab	43.1749, 74.2059, 25.8251

Details

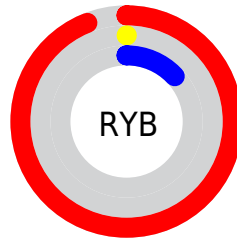
The Hex color **F00022** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark saturated red. A complement of this color would be **00F0CE**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **FF5E51**, and **AE0000** is the 20% darker color. If you saturate the color by 10%, you get **F00022**, and if you desaturate by 10%, it is **F01837**.

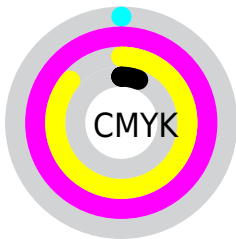
Distribution



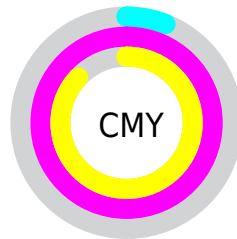
- Red (94%)
- Green (0%)
- Blue (13%)



- Red (94%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (86%)
- Black (6%)



- Cyan (6%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color F00022 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 F00022 by changing the saturation by 10% instead.

 F00022

 F00022

FFFFFF

 CF000B

 FF5E51

 AE0000

 FF7D6A

 8D0000

 FF9B84

 6C0002

 FFB99E

 4F0004

 FFD7B9

 2E0002

 FFF5D5

 000000

 FFFFF2

 F00022

 F01837

 F0304B

 F04860

 F06074

 F07889

 F0909E

 F0A8B2

 F0C0C7

 F0D8DB

Harmonies

Analogous

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



FB0070



F00022



C65700

Triad

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



F00022



00932A



0080FF

Complementary

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



F00022



00F0CE

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.



0091FF



F00022



009682

Square

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



F00022



298B00



0097D0



795BFD

Rectangle

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



F00022



9F7000



0097D0



0087FF

Sweetspot

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



F00022



FFB3BD



CC00F0



805258



000000



808080

Same Dimension

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



F00022



FF0024



F05400



786C6E



B8001A



380008

Inverse Universe

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



F00022



FF0024



009CF0



786C6E



B8001A



380008

Previews

White Background



This preview shows how the Hex color F00022 looks on a white background.

Color Contrast Check

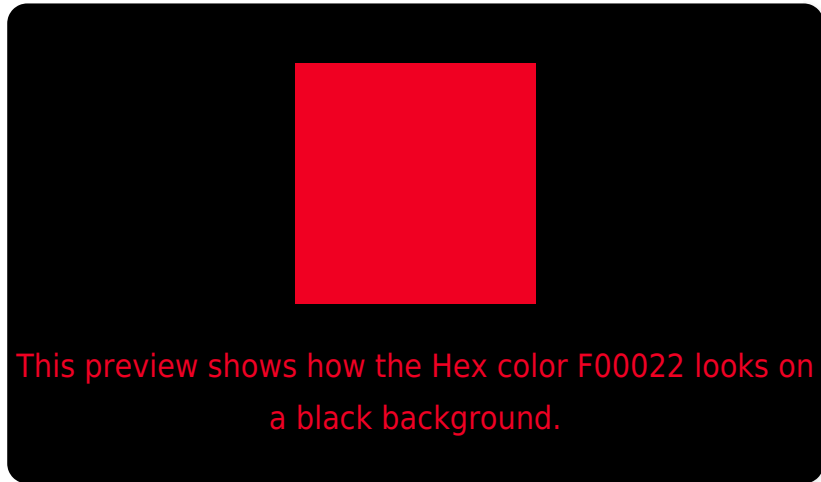
Large Text (above 18pt) WCAG AA ✓ Pass

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 F0022 Background



This preview shows how black text looks on a background with the Hex color F0022.



This preview shows how white text looks on a background with the Hex color F0022.

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
F00022

Protanopia
867938

Deuteranopia
997300



Trichromacy



Original Color
F00022



Protanomaly
AD4D30



Deuteranomaly
B9490C



Tritanomaly
EF0E0C

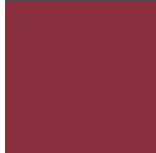
Monochromacy



Original Color
F00022



Achromatopsia
4C4C4C



Achromatomaly
88303D

CSS Examples

Text

The CSS property to change the color of the text to Hex F00022 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 #F00022 looks like.

```
.text, #text, p{  
    color:#F00022  
}
```

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 #F00022 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #F00022
}
```

Border

The CSS property to change the border of an element to Hex F00022 is called "border". The border property can be set on classes, ids or directly on the HTML element.

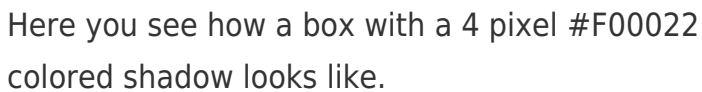
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#F00022 }
```

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

```
.border{ border-color:#F00022 }
```

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



Here you see how a box with a 4 pixel `#F00022` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #F00022; -webkit-box-shadow:4px 4px  
4px 4px #F00022; box-shadow:4px 4px 4px  
4px #F00022 }
```

Background

The CSS property to change the background color of an element to Hex F00022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#F00022 }
```

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

```
.background{ background-color:#F00022 }
```

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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