

Converting Colors

Hex(FF0020)

Have a look what the booklet for
Hex(FF0020) contains.

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Color

Hex(F0020)

Conversions

Conversions Part 1

Format	Color
Hex	FF0020
RGB	255, 0, 32
RGB Percent	100%, 0%, 13%
CMY	0.0000, 1.0000, 0.8745
CMYK	0.00, 1.00, 0.87, 0.00
HSL	352°, 100%, 50%
HSV	352°, 100%, 100%
XYZ	41.5007, 21.3643, 3.3029
YIQ	79.8930, 141.7080, 64.0120

Conversions

Conversions Part 2

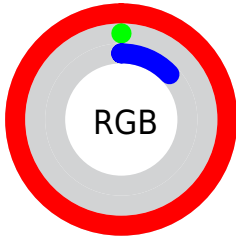
Format	Color
R_YB	255, 0, 32
Decimal	16711712
CIE Lab	53.35, 80.42, 57.19
CIE LCh	53, 98.679, 35.418
Yxy	21.3643, 0.6272, 0.3229
Android (android.graphics.Color)	4294901792 (0xFFFF0020)
YUV	79.8930, -23.6112, 153.5688
Hunter-Lab	46.2215, 79.3814, 28.1183

Details

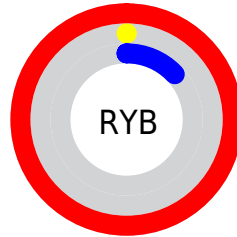
The Hex color **FF0020** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark saturated red. A complement of this color would be **00FFDF**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **FF6150**, and **BC0000** is the 20% darker color. If you saturate the color by 10%, you get **FF0020**, and if you desaturate by 10%, it is **FF1936**.

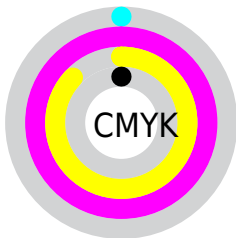
Distribution



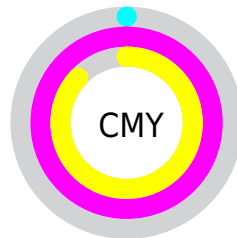
- Red (100%)
- Green (0%)
- Blue (13%)



- Red (100%)
- Yellow (0%)
- Blue (13%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)
- Black (0%)



- Cyan (0%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color FF0020 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 FF0020 by changing the saturation by 10% instead.

 FF0020

 FF0020

FFFFFF

 DD0007

 FF6150

 BC0000

 FF8069

 9A0000

 FF9F83

 7A0001

 FFBD9D

 5A0004

 FFDCB9

 3B0002

 FFFAD5

 140000

 FFFFF1

 000000

 FF0020

 FF1936

 FF334D

 FF4D63

 FF6679

 FF808F

 FF99A6

 FFB3BC

 FFCCD2

 FFE6E9

Harmonies

Analogous

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



FF0074



FF0020



D15E00

Triad

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



FF0020



009D30



0087FF

Complementary

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



FF0020



00FFDF

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.



009BFF



FF0020



00A08D

Square

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



FF0020



219400



00A1E1



875FFF

Rectangle

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



FF0020



A67800



00A1E1



0090FF

Sweetspot

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



FF0020



FFB3BC



DD00FF



805257



000000



808080

Same Dimension

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



FF0020



FF5E00



807374



BF0018



400008

Inverse Universe

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



FF0020



00A2FF



807374



BF0018



400008

Previews

White Background



This preview shows how the Hex color FF0020 looks on a white background.

Color Contrast Check

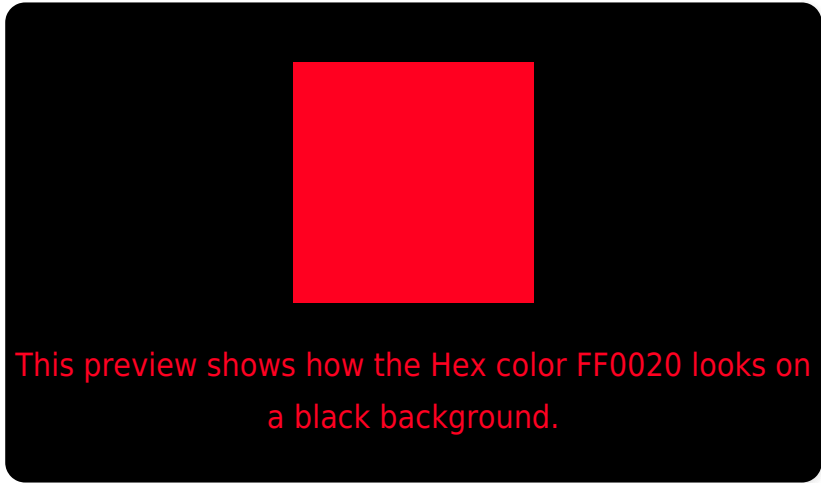
Large Text (above 18pt) WCAG AA ✓ Pass

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 FF0020 Background



This preview shows how black text looks on a background with the Hex color FF0020.



This preview shows how white text looks on a background with the Hex color FF0020.

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
FF0020

Protanopia
8F8137

Deuteranopia
A37A00



Tritanopia
FD1700

Trichromacy



Original Color
FF0020



Protanomaly
B8522F



Deuteranomaly
C44E0C



Tritanomaly
FE0F0C

Monochromacy



Original Color
FF0020



Achromatopsia
505050



Achromatomaly
90333F

CSS Examples

Text

The CSS property to change the color of the text to Hex FF0020 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 #FF0020 looks like.

```
.text, #text, p{  
    color:#FF0020  
}
```

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 #FF0020 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF0020
}
```

Border

The CSS property to change the border of an element to Hex FF0020 is called "border". The border property can be set on classes, ids or directly on the HTML element.

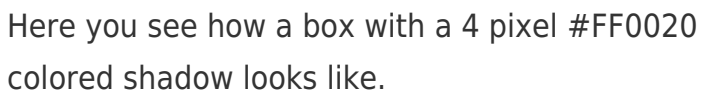
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#FF0020 }
```

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

```
.border{ border-color:#FF0020 }
```

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



Here you see how a box with a 4 pixel #FF0020 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF0020; -webkit-box-shadow:4px 4px  
4px 4px #FF0020; box-shadow:4px 4px 4px  
4px #FF0020 }
```

Background

The CSS property to change the background color of an element to Hex FF0020 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF0020 }
```

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

```
.background{ background-color:#FF0020 }
```

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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