

# Converting Colors

Hex(FD0218)

Have a look what the booklet for  
Hex(FD0218) contains.

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**Color**

**Hex(FD0218)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FD0218
RGB	253, 2, 24
RGB Percent	99%, 1%, 9%
CMY	0.0078, 0.9922, 0.9059
CMYK	0.00, 0.99, 0.91, 0.01
HSL	355°, 98%, 50%
HSV	355°, 99%, 99%
XYZ	40.6946, 20.9920, 2.7712
YIQ	79.5570, 142.5340, 60.0540

# Conversions

## Conversions Part 2

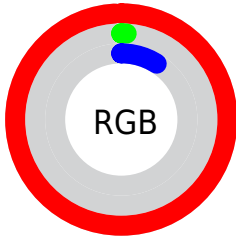
<b>Format</b>	<b>Color</b>
<b>RYB</b>	253, 2, 24
Decimal	16581144
CIELab	52.94, 79.69, 60.03
CIElCh	53, 99.774, 36.991
Yxy	20.9920, 0.6313, 0.3257
Android (android.graphics.Color)	4294771224 (0xFFFD0218)
YUV	79.5570, -27.3896, 152.1095
Hunter-Lab	45.8170, 78.3635, 28.4859

# Details

The Hex color **FD0218** 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 **02FDE7**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **FF6149**, and **BA0000** is the 20% darker color. If you saturate the color by 10%, you get **FD0016**, and if you desaturate by 10%, it is **FD1B2F**.

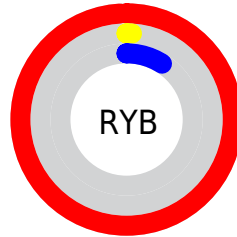
# Distribution



Red (99%)

Green (1%)

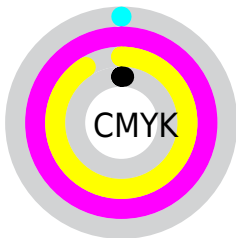
Blue (9%)



Red (99%)

Yellow (1%)

Blue (9%)

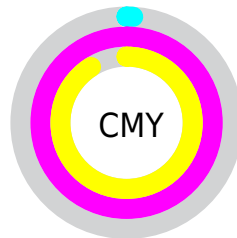


Cyan (0%)

Magenta (99%)

Yellow (91%)

Black (1%)



Cyan (1%)

Magenta (99%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FD0218 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 FD0218 by changing the saturation by 10% instead.



 FD0218

 FD0218

FFFFFF

 DB0000

 FF6149

 BA0000

 FF8062

 980000

 FF9F7C

 780001

 FFBD96

 580004

 FFDBB2

 390002

 FFFACE

 0F0000

 FFFFEA

 000000

 FD0218

 FD0218

 FD0016

 FD1B2F

 FD3546

 FD4E5D

 FD6774

 FD818B

 FD9AA2

 FDB3BA

 FDCCD1

 FDE6E8

# Harmonies

## Analogous

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



FF006F



FD0218



CD5F00

# Triad

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



FD0218



009C34



0085FF

# Complementary

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



FD0218



02FDE7

# 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.



0099FF



FD0218



00A091

# Square

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



FD0218



069400



00A0E5



8E5AFF

# Rectangle

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



FD0218



A17900



00A0E5



008EFF



# Sweetspot

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



FD0218



FFB3B9



E402FD



805256



000000



808080



# Same Dimension

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



FD0218



FF0016



FD6602



807374



BF0011



400006



# Inverse Universe

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



FD0218



FF0016



0299FD



807374



BF0011



400006



# Previews

## White Background



This preview shows how the Hex color FD0218 looks on a white background.

## Color Contrast Check

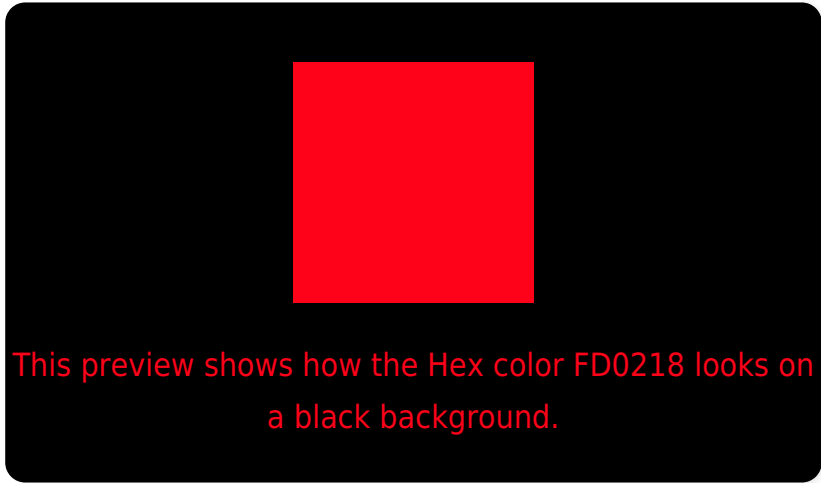
Large Text (above 18pt) WCAG AA ✓ Pass

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 FD0218 Background



This preview shows how black text looks on a background with the Hex color FD0218.



This preview shows how white text looks on a background with the Hex color FD0218.

# 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**  
FD0218

**Protanopia**  
8F802E

**Deuteranopia**  
A17900

# Trichromacy



**Original Color**  
FD0218

**Protanomaly**  
B75226

**Deuteranomaly**  
C24E09

# Monochromacy



**Original Color**  
FD0218

**Achromatopsia**  
505050

**Achromatomaly**  
8F343C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FD0218 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 #FD0218 looks like.

```
.text, #text, p{  
    color:#FD0218  
}
```

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 #FD0218 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FD0218
}
```

## Border

The CSS property to change the border of an element to Hex FD0218 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".

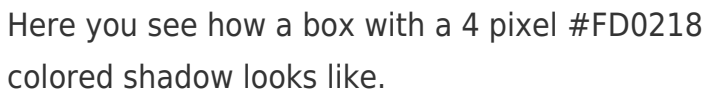
```
.border, #border, table{ border:4px solid
#FD0218 }
```

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

```
.border{ border-color:#FD0218 }
```

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

Here you see how a box with a 4 pixel #FD0218 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FD0218; -webkit-box-shadow:4px 4px  
4px 4px #FD0218; box-shadow:4px 4px 4px  
4px #FD0218 }
```

# Background

The CSS property to change the background color of an element to Hex FD0218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FD0218 }
```

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

```
.background{ background-color:#FD0218 }
```

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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