

# Converting Colors

Hex(BF002A)

Have a look what the booklet for  
Hex(BF002A) contains.

<b>Hex(BF002A)</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(BF002A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BF002A
RGB	191, 0, 42
RGB Percent	75%, 0%, 16%
CMY	0.2510, 1.0000, 0.8353
CMYK	0.00, 1.00, 0.78, 0.25
HSL	347°, 100%, 37%
HSV	347°, 100%, 75%
XYZ	21.9038, 11.2435, 3.2062
YIQ	61.8970, 100.3540, 53.5540

# Conversions

## Conversions Part 2

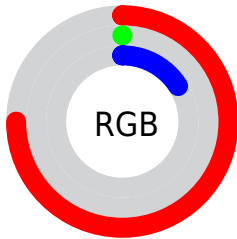
<b>Format</b>	<b>Color</b>
<b>RYB</b>	191, 0, 42
Decimal	12517418
CIELab	39.99, 65.22, 34.77
CIElCh	40, 73.910, 28.063
Yxy	11.2435, 0.6025, 0.3093
Android (android.graphics.Color)	4290707498 (0xFFBF002A)
YUV	61.8970, -9.8092, 113.2233
Hunter-Lab	33.5314, 57.9220, 17.8027

# Details

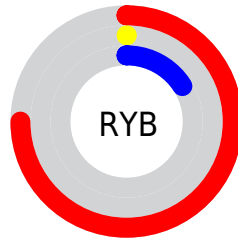
The Hex color **BF002A** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **00BF95**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **FF5358**, and **810000** is the 20% darker color. If you saturate the color by 10%, you get **BF002A**, and if you desaturate by 10%, it is **BF1339**.

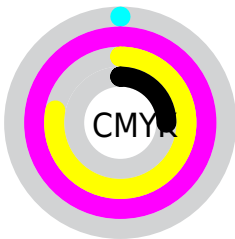
# Distribution



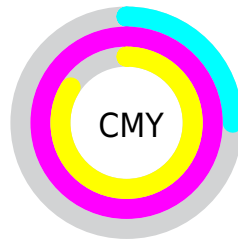
- Red (75%)
- Green (0%)
- Blue (16%)



- Red (75%)
- Yellow (0%)
- Blue (16%)



- Cyan (0%)
- Magenta (100%)
- Yellow (78%)
- Black (25%)



- Cyan (25%)
- Magenta (100%)
- Yellow (84%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BF002A 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 BF002A by changing the saturation by 10% instead.



 BF002A

 BF002A

FFFFFF

 9F0015

 FF5358

 810000

 FF7070

 610000

 FF8D8A

 450003

 FFAAA4

 240001

 FFC7BF

 000000

 FFE4DB

 FFFFF7

 BF002A

 BF1339

 BF2648

 BF3957

 BF4C66

 BF6074

 BF7383

 BF8692

 BF99A1

 BFACB0

# Harmonies

## Analogous

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



C10065



BF002A



A33E00

# Triad

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



BF002A



007313



0068D9

# Complementary

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



BF002A



00BF95

# 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.



0073C6



BF002A



007658

# Square

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



BF002A



3B6B00



007796



4450CB

# Rectangle

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



BF002A



875300



007796



006DD6



# Sweetspot

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



BF002A



F7ADBD



9200BF



7D505A



FCFCFC



7D7D7D



# Same Dimension

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



BF002A



F70036



BF3300



5E5557



9E0023



1F0007



# Inverse Universe

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



BF002A



F70036



008CBF



5E5557



9E0023



1F0007



# Previews

## White Background



This preview shows how the Hex color BF002A looks on a white background.

## Color Contrast Check

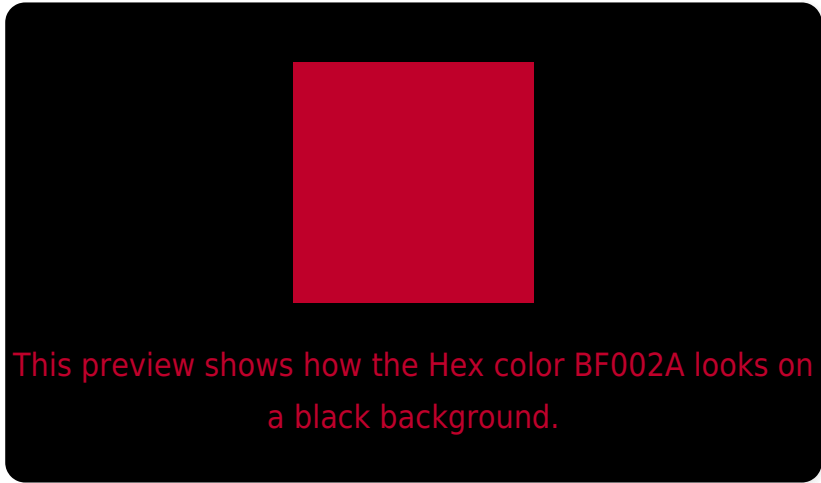
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex BF002A Background



This preview shows how black text looks on a background with the Hex color BF002A.



This preview shows how white text looks on a background with the Hex color BF002A.

# 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



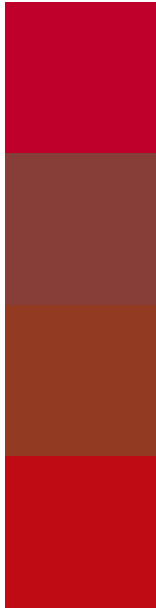
**Original Color**  
BF002A

**Protanopia**  
696140

**Deuteranopia**  
795C1E



# Trichromacy



**Original Color**  
BF002A

**Protanomaly**  
883E38

**Deuteranomaly**  
923B22

**Tritanomaly**  
BF0B14

# Monochromacy



**Original Color**  
BF002A

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
6D2737

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BF002A 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 #BF002A looks like.

```
.text, #text, p{  
    color:#BF002A  
}
```

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 #BF002A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BF002A
}
```

## Border

The CSS property to change the border of an element to Hex BF002A 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
#BF002A }
```

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

```
.border{ border-color:#BF002A }
```

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

Here you see how a box with a 4 pixel #BF002A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BF002A; -webkit-box-shadow:4px 4px  
4px 4px #BF002A; box-shadow:4px 4px 4px  
4px #BF002A }
```

# Background

The CSS property to change the background color of an element to Hex BF002A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BF002A }
```

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

```
.background{ background-color:#BF002A }
```

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