

# Converting Colors

Hex(AF0002)

Have a look what the booklet for  
Hex(AF0002) contains.

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**Color**

**Hex(AF0002)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AF0002
RGB	175, 0, 2
RGB Percent	69%, 0%, 1%
CMY	0.3137, 1.0000, 0.9922
CMYK	0.00, 1.00, 0.99, 0.31
HSL	359°, 100%, 34%
HSV	359°, 100%, 69%
XYZ	17.6902, 9.1183, 0.8851
YIQ	52.5530, 103.6580, 37.7220

# Conversions

## Conversions Part 2

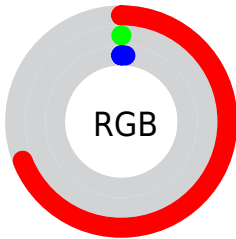
Format	Color
<b>RYB</b>	175, 0, 2
Decimal	11468802
CIELab	36.21, 60.43, 49.77
CIELCh	36, 78.287, 39.478
Yxy	9.1183, 0.6388, 0.3293
Android (android.graphics.Color)	4289658882 (0xFFAF0002)
YUV	52.5530, -24.9226, 107.3860
Hunter-Lab	30.1966, 51.7271, 19.3998

# Details

The Hex color **AF0002** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **00AFAD**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **EF4E33**, and **700000** is the 20% darker color. If you saturate the color by 10%, you get **AF0002**, and if you desaturate by 10%, it is **AF1113**.

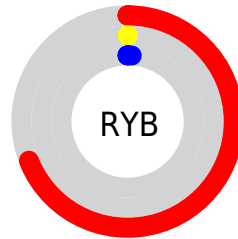
# Distribution



Red (69%)

Green (0%)

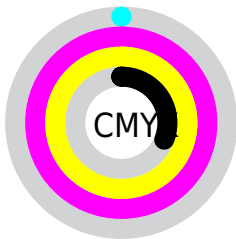
Blue (1%)



Red (69%)

Yellow (0%)

Blue (1%)

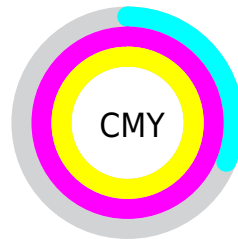


Cyan (0%)

Magenta (100%)

Yellow (99%)

Black (31%)



Cyan (31%)

Magenta (100%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AF0002 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 AF0002 by changing the saturation by 10% instead.



 AF0002

 AF0002

 FFFFEB

 8F0000

 EF4E33

 700000

 FF6B4B

 510001

 FF8763

 350002

 FFA37D

 030000

 FFC097

 000000

 FFDDDB2

 FFFBCE

 AF0002

 AF1113

 AF2325

 AF3536

 AF4647

 AF5859

 AF696A

 AF7A7B

 AF8C8C

 AF9E9E

# Harmonies

## Analogous

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



BD0045



AF0002



8B4100

# Triad

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



AF0002



006B25



0058D4

# Complementary

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



AF0002



00AFAD

# 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.



0068CD



AF0002



006D68

# Square

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



AF0002



006500



006DA5



6936B8

# Rectangle

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



AF0002



6A5300



006DA5



005FD6



# Sweetspot

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



AF0002



E39FA0



AC00AF



73494A



F2F2F2



737373



# Same Dimension

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



AF0002



E30003



AF5500



574E4E



960002



170000



# Inverse Universe

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



AF0002



E30003



005AAF



574E4E



960002



170000



# Previews

## White Background



This preview shows how the Hex color AF0002 looks on a white background.

## Color Contrast Check

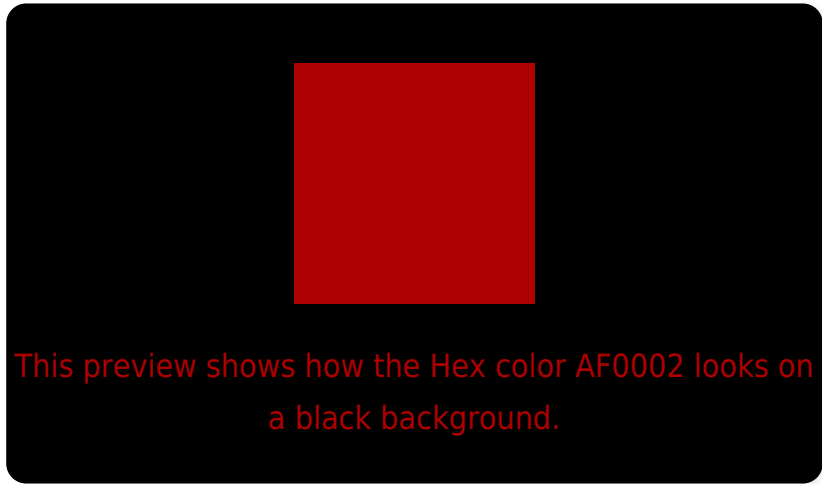
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 AF0002 Background



This preview shows how black text looks on a background with the Hex color AF0002.



This preview shows how white text looks on a background with the Hex color AF0002.

# 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**  
AF0002

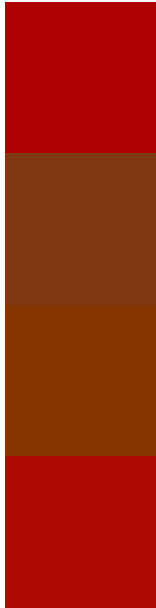
**Protanopia**  
635817

**Deuteranopia**  
6F5400



**Tritanopia**  
AE1000

# Trichromacy



**Original Color**  
AF0002

**Protanomaly**  
7F380F

**Deuteranomaly**  
863501

**Tritanomaly**  
AE0A01

# Monochromacy



**Original Color**  
AF0002

**Achromatopsia**  
353535

**Achromatomaly**  
612222

# CSS Examples

## Text

The CSS property to change the color of the text to Hex AF0002 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 #AF0002 looks like.

```
.text, #text, p{  
    color:#AF0002  
}
```

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 #AF0002 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AF0002
}
```

## Border

The CSS property to change the border of an element to Hex AF0002 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".

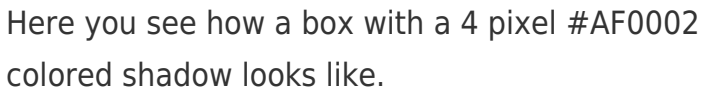
```
.border, #border, table{ border:4px solid
#AF0002 }
```

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

```
.border{ border-color:#AF0002 }
```

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

Here you see how a box with a 4 pixel #AF0002 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AF0002; -webkit-box-shadow:4px 4px  
4px 4px #AF0002; box-shadow:4px 4px 4px  
4px #AF0002 }
```

# Background

The CSS property to change the background color of an element to Hex AF0002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AF0002 }
```

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

```
.background{ background-color:#AF0002 }
```

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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