

# Converting Colors

Hex(A02000)

Have a look what the booklet for  
Hex(A02000) contains.

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**Color**

**Hex(A02000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A02000
RGB	160, 32, 0
RGB Percent	63%, 13%, 0%
CMY	0.3725, 0.8745, 1.0000
CMYK	0.00, 0.80, 1.00, 0.37
HSL	12°, 100%, 31%
HSV	12°, 100%, 63%
XYZ	15.0137, 8.5066, 0.8506
YIQ	66.6240, 86.5600, 17.1840

# Conversions

## Conversions Part 2

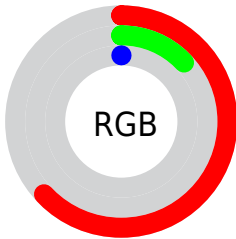
Format	Color
<a href="#">RYB</a>	160, 40, 0
Decimal	10493952
CIELab	35.02, 50.39, 48.21
CIELCh	35, 69.732, 43.734
Yxy	8.5066, 0.6160, 0.3490
Android (android.graphics.Color)	4288684032 (0xFFA02000)
YUV	66.6240, -32.8456, 81.8908
Hunter-Lab	29.1661, 40.8451, 18.6871

# Details

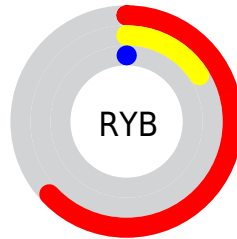
The Hex color **A02000** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **0080A0**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **DF5931**, and **630000** is the 20% darker color. If you saturate the color by 10%, you get **A02000**, and if you desaturate by 10%, it is **A02D10**.

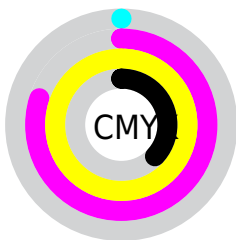
# Distribution



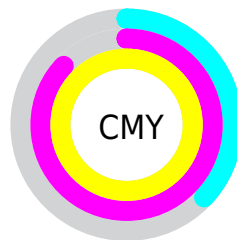
- Red (63%)
- Green (13%)
- Blue (0%)



- Red (63%)
- Yellow (16%)
- Blue (0%)



- Cyan (0%)
- Magenta (80%)
- Yellow (100%)
- Black (37%)



- Cyan (37%)
- Magenta (87%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color A02000 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 A02000 by changing the saturation by 10% instead.



 A02000

 A02000

 FFFFEA

 810000

 DF5931

 630000

 FF744A

 460000

 FF8F62

 2A0001

 FFAB7C

 000000

 FFC796

 FFE4B1

 FFFFCD

 A02000

 A02D10

 A03A20

 A04630

 A05340

 A06050

 A06D60

 A07A70

 A08680

 A09390

# Harmonies

## Analogous

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



AF003C



A02000



7E4400

# Triad

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



A02000



006731



0052C1

# Complementary

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



A02000



0080A0

# 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.



0062BF



A02000



00696B

# Square

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



A02000



006200



00689F



7133A4

# Rectangle

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



A02000



5F5300



00689F



0058C4



# Sweetspot

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



A02000



D19F92



A00080



694A43



E8E8E8



696969



# Same Dimension

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



A02000



D12A00



A07000



4F4947



8F1D00



0F0300



# Inverse Universe

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



0080A0



00A7D1



0030A0



474D4F



00728F

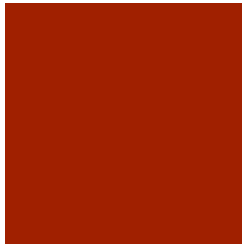


000C0F



# Previews

## White Background



This preview shows how the Hex color A02000 looks on a white background.

## Color Contrast Check

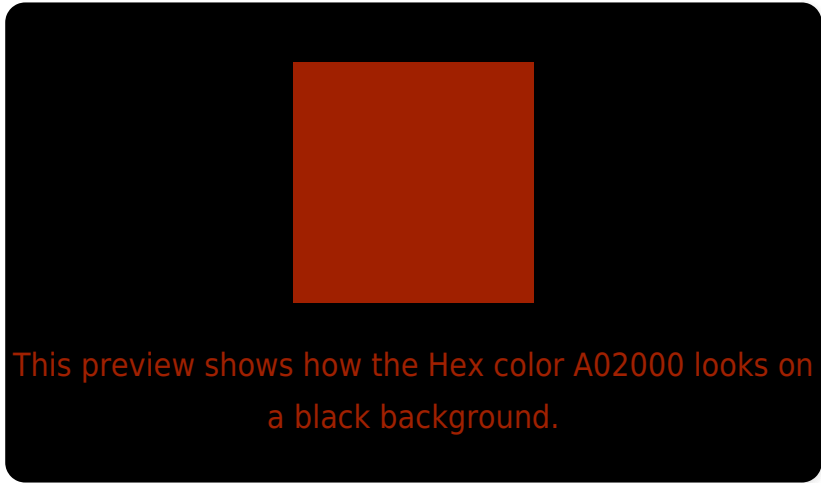
Large Text (above 18pt) WCAG AA ✓ Pass

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 A02000 Background



This preview shows how black text looks on a background with the Hex color A02000.



This preview shows how white text looks on a background with the Hex color A02000.

# 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



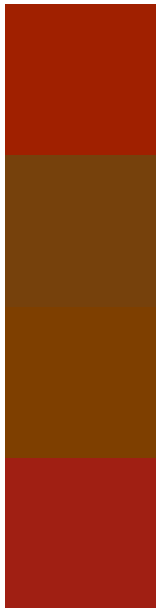
**Original Color**  
A02000

**Protanopia**  
5E5413

**Deuteranopia**  
6A5000



# Trichromacy



**Original Color**  
A02000

**Protanomaly**  
76410C

**Deuteranomaly**  
7E3F00

**Tritanomaly**  
A01F13

# Monochromacy



**Original Color**  
A02000

**Achromatopsia**  
434343

**Achromatomaly**  
65362B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex A02000 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 #A02000 looks like.

```
.text, #text, p{  
    color:#A02000  
}
```

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 #A02000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #A02000
}
```

## Border

The CSS property to change the border of an element to Hex A02000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

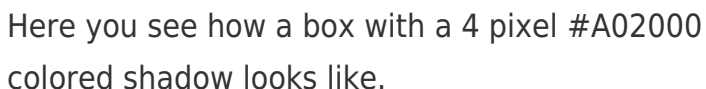
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#A02000 }
```

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

```
.border{ border-color:#A02000 }
```

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



Here you see how a box with a 4 pixel #A02000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #A02000; -webkit-box-shadow:4px 4px  
4px 4px #A02000; box-shadow:4px 4px 4px  
4px #A02000 }
```

# Background

The CSS property to change the background color of an element to Hex A02000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#A02000 }
```

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

```
.background{ background-color:#A02000 }
```

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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