

# Converting Colors

Hex(B02A00)

Have a look what the booklet for  
Hex(B02A00) contains.

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**Color**

**Hex(B02A00)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B02A00
RGB	176, 42, 0
RGB Percent	69%, 16%, 0%
CMY	0.3098, 0.8353, 1.0000
CMYK	0.00, 0.76, 1.00, 0.31
HSL	14°, 100%, 35%
HSV	14°, 100%, 69%
XYZ	18.7325, 10.8860, 1.1139
YIQ	77.2780, 93.3460, 15.3460

# Conversions

## Conversions Part 2

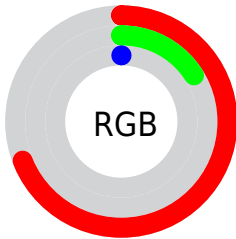
Format	Color
R <sub>Y</sub> B	176, 55, 0
Decimal	11545088
CIE Lab	39.39, 52.23, 52.08
CIE LCh	39, 73.761, 44.915
Yxy	10.8860, 0.6095, 0.3542
Android (android.graphics.Color)	4289735168 (0xFFB02A00)
YUV	77.2780, -38.0981, 86.5792
Hunter-Lab	32.9940, 43.6045, 21.0941

# Details

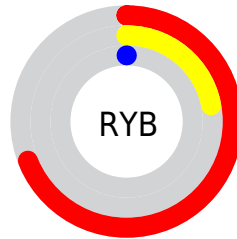
The Hex color **B02A00** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **0086B0**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **F06234**, and **720000** is the 20% darker color. If you saturate the color by 10%, you get **B02A00**, and if you desaturate by 10%, it is **B03712**.

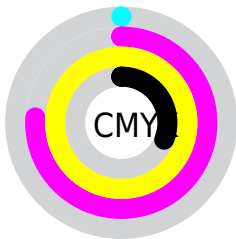
# Distribution



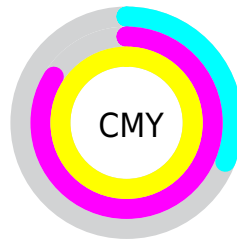
- Red (69%)
- Green (16%)
- Blue (0%)



- Red (69%)
- Yellow (22%)
- Blue (0%)



- Cyan (0%)
- Magenta (76%)
- Yellow (100%)
- Black (31%)



- Cyan (31%)
- Magenta (84%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B02A00 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 B02A00 by changing the saturation by 10% instead.



 B02A00

 B02A00

 FFFFEE

 910100

 F06234

 720000

 FF7D4D

 540000

 FF9966

 390002

 FFB580

 100000

 FFD29A

 000000

 FFEFB6

 FFFF D2

 B02A00

 B03712

 B04523

 B05235

 B06046

 B06D58

 B07A6A

 B0887B

 B0958D

 B0A39E

# Harmonies

## Analogous

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



C20042



B02A00



8A4F00

# Triad

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



B02A00



00733B



005BD3

# Complementary

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



B02A00



0086B0

# 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.



006DD3



B02A00



00757A

# Square

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



B02A00



006E00



0074B2



8139B3

# Rectangle

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



B02A00



695E00



0074B2



0062D7



# Sweetspot

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



B02A00



E6B1A1



B00087



735349



F2F2F2



737373



# Same Dimension

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



B02A00



E63700



B08100



595250



992500



1A0600



# Inverse Universe

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



0086B0



00AFE6



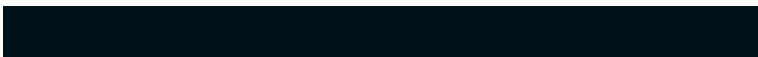
002FB0



505759



007499



00131A



# Previews

## White Background



This preview shows how the Hex color B02A00 looks on a white background.

## Color Contrast Check

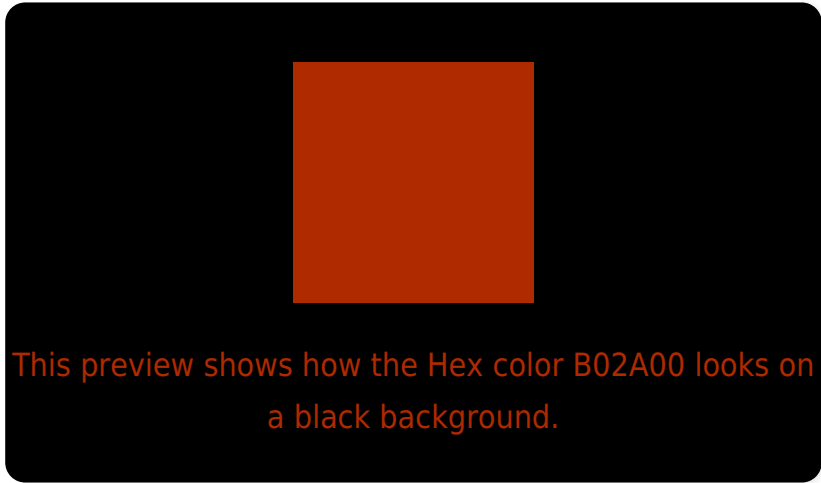
Large Text (above 18pt) WCAG AA ✓ Pass

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 B02A00 Background



This preview shows how black text looks on a background with the Hex color B02A00.



This preview shows how white text looks on a background with the Hex color B02A00.

# 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



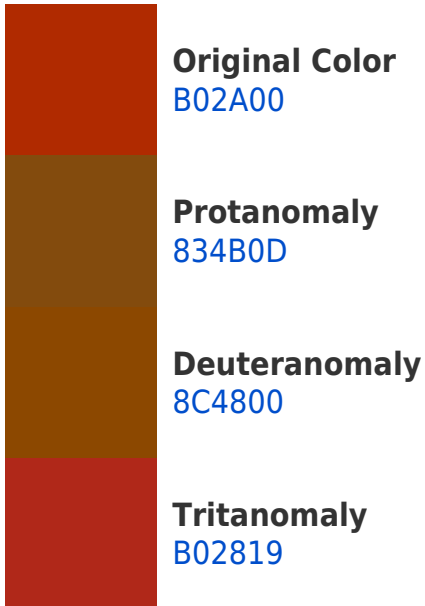
**Original Color**  
B02A00

**Protanopia**  
6A5E14

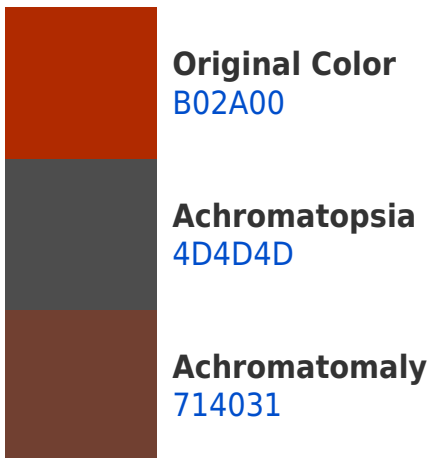
**Deuteranopia**  
775900



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B02A00 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 #B02A00 looks like.

```
.text, #text, p{  
    color:#B02A00  
}
```

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 #B02A00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B02A00
}
```

## Border

The CSS property to change the border of an element to Hex B02A00 is called "border". The border property can be set on classes, ids or directly on the HTML element.

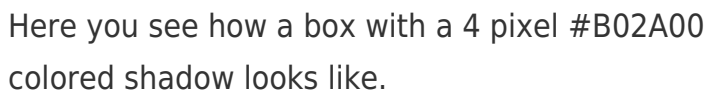
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B02A00 }
```

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

```
.border{ border-color:#B02A00 }
```

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



Here you see how a box with a 4 pixel `#B02A00` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B02A00; -webkit-box-shadow:4px 4px  
4px 4px #B02A00; box-shadow:4px 4px 4px  
4px #B02A00 }
```

# Background

The CSS property to change the background color of an element to Hex B02A00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B02A00 }
```

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

```
.background{ background-color:#B02A00 }
```

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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