

# Converting Colors

Hex(AB2A00)

Have a look what the booklet for  
Hex(AB2A00) contains.

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**Color**

**Hex(AB2A00)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AB2A00
RGB	171, 42, 0
RGB Percent	67%, 16%, 0%
CMY	0.3294, 0.8353, 1.0000
CMYK	0.00, 0.75, 1.00, 0.33
HSL	15°, 100%, 34%
HSV	15°, 100%, 67%
XYZ	17.6226, 10.3139, 1.0620
YIQ	75.7830, 90.3660, 14.2860

# Conversions

## Conversions Part 2

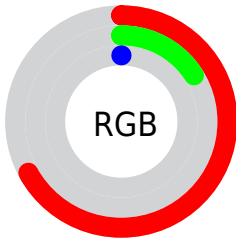
Format	Color
R <sub>Y</sub> B	171, 56, 0
Decimal	11217408
CIE Lab	38.40, 50.63, 51.06
CIE LCh	38, 71.906, 45.244
Yxy	10.3139, 0.6077, 0.3557
Android (android.graphics.Color)	4289407488 (0xFFAB2A00)
YUV	75.7830, -37.3610, 83.5053
Hunter-Lab	32.1152, 41.7466, 20.5201

# Details

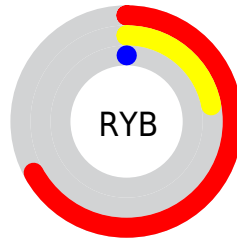
The Hex color **AB2A00** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **0081AB**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **EA6134**, and **6D0000** is the 20% darker color. If you saturate the color by 10%, you get **AB2A00**, and if you desaturate by 10%, it is **AB3711**.

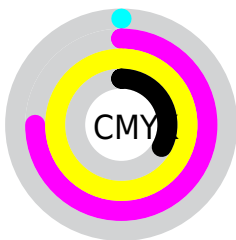
# Distribution



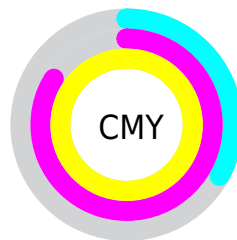
- Red (67%)
- Green (16%)
- Blue (0%)



- Red (67%)
- Yellow (22%)
- Blue (0%)



- Cyan (0%)
- Magenta (75%)
- Yellow (100%)
- Black (33%)



- Cyan (33%)
- Magenta (84%)
- Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AB2A00 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 AB2A00 by changing the saturation by 10% instead.



 AB2A00

 AB2A00

 FFFFED

 8C0300

 EA6134

 6D0000

 FF7C4C

 4F0000

 FF9865

 350002

 FFB47F

 020000

 FFD09A

 000000

 FFEDB5

 FFFF01

 AB2A00

 AB3711

 AB4422

 AB5133

 AB5E44

 AB6A55

 AB7767

 AB8478

 AB9189

 AB9E9A

# Harmonies

## Analogous

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



BC0040



AB2A00



864D00

# Triad

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



AB2A00



00703A



0058CD

# Complementary

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



AB2A00



0081AB

# 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.



006ACD



AB2A00



007278

# Square

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



AB2A00



006B00



0071AD



7F38AE

# Rectangle

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



AB2A00



665C00



0071AD



0060D1



# Sweetspot

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



AB2A00



DEAC9B



AB0083



705248



F0F0F0



707070



# Same Dimension

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



AB2A00



DE3600



AB7D00



57504E



962500



170600



# Inverse Universe

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



0081AB



00A7DE



002EAB



4E5557



007196



001117



# Previews

## White Background



This preview shows how the Hex color AB2A00 looks on a white background.

## Color Contrast Check

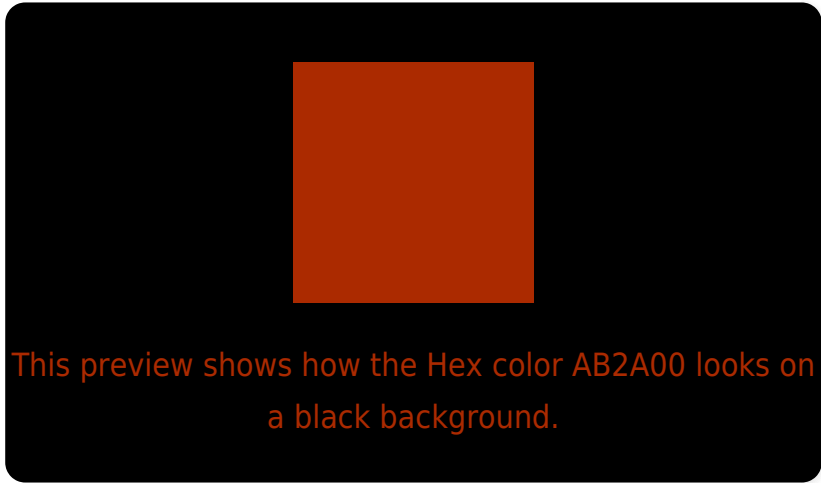
Large Text (above 18pt) WCAG AA ✓ Pass

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 AB2A00 Background



This preview shows how black text looks on a background with the Hex color AB2A00.



This preview shows how white text looks on a background with the Hex color AB2A00.

# 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



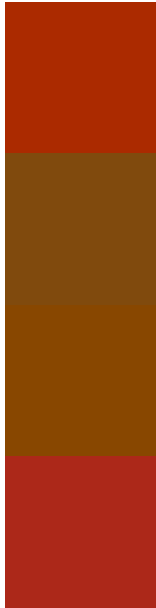
**Original Color**  
AB2A00

**Protanopia**  
675C14

**Deuteranopia**  
745700



# Trichromacy



**Original Color**  
AB2A00

**Protanomaly**  
804A0D

**Deuteranomaly**  
884700

**Tritanomaly**  
AC2819

# Monochromacy



**Original Color**  
AB2A00

**Achromatopsia**  
4C4C4C

**Achromatomaly**  
6F4030

# CSS Examples

## Text

The CSS property to change the color of the text to Hex AB2A00 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 #AB2A00 looks like.

```
.text, #text, p{  
    color:#AB2A00  
}
```

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 #AB2A00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AB2A00
}
```

## Border

The CSS property to change the border of an element to Hex AB2A00 is called "border". The border property can be set on classes, ids or directly on the HTML element.

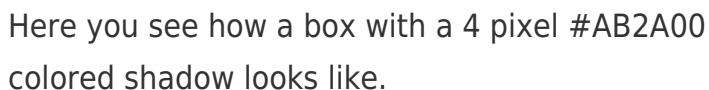
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#AB2A00 }
```

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

```
.border{ border-color:#AB2A00 }
```

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



Here you see how a box with a 4 pixel `#AB2A00` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AB2A00; -webkit-box-shadow:4px 4px  
4px 4px #AB2A00; box-shadow:4px 4px 4px  
4px #AB2A00 }
```

# Background

The CSS property to change the background color of an element to Hex AB2A00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AB2A00 }
```

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

```
.background{ background-color:#AB2A00 }
```

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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