

# Converting Colors

Hex(AE902B)

Have a look what the booklet for  
Hex(AE902B) contains.

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**Color**

**Hex(AE902B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE902B
RGB	174, 144, 43
RGB Percent	68%, 56%, 17%
CMY	0.3176, 0.4353, 0.8314
CMYK	0.00, 0.17, 0.75, 0.32
HSL	46°, 60%, 43%
HSV	46°, 75%, 68%
XYZ	27.8649, 29.1196, 6.4375
YIQ	141.4560, 50.3010, -25.0510

# Conversions

## Conversions Part 2

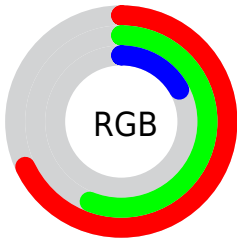
<b>Format</b>	<b>Color</b>
<b>RYB</b>	82, 174, 43
Decimal	11440171
CIELab	60.89, 0.75, 54.65
CIELCh	61, 54.655, 89.217
Yxy	29.1196, 0.4394, 0.4591
Android (android.graphics.Color)	4289630251 (0xFFAE902B)
YUV	141.4560, -48.5388, 28.5411
Hunter-Lab	53.9626, -2.2618, 30.7008

# Details

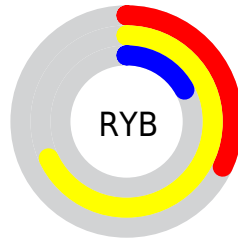
The Hex color **AE902B** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **2B49AE**, and the grayscale version is **8E8E8E**.

A 20% lighter version of the original color is **E9C660**, and **765E00** is the 20% darker color. If you saturate the color by 10%, you get **AE8C1A**, and if you desaturate by 10%, it is **AE943C**.

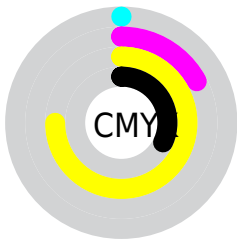
# Distribution



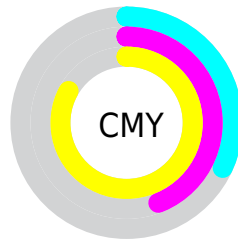
- Red (68%)
- Green (56%)
- Blue (17%)



- Red (32%)
- Yellow (68%)
- Blue (17%)



- Cyan (0%)
- Magenta (17%)
- Yellow (75%)
- Black (32%)



- Cyan (32%)
- Magenta (44%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AE902B 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 AE902B by changing the saturation by 10% instead.



 AE902B

 AE902B

FFFFFF

 91770B

 E9C660

 765E00

 FFE17A

 5B4700

 FFFE95

 403100

 FFFFB1

 271C00

 FFFFCD

 070300

 FFFFEA

 000000

 AE902B

 AE902B

 AE8C1A

 AE943C

 AE8808

 AE984E

 AE8600

 AE9C5F

 AEA071

 AEA482

 AEA893

 AEACA5

 AEB0B6

 AEB4C8

# Harmonies

## Analogous

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



D37E40



AE902B



7E9E39

# Triad

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



AE902B



00AAC1



CC73C5

# Complementary

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



AE902B



2B49AE

# 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.



9287E7



AE902B



00A4E5

# Square

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



AE902B



00AA90



0099F3



E86796

# Rectangle

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



AE902B



55A451



0099F3



BC79D2



# Sweetspot

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



AE902B



E3D7AF



AE2B4A



736B53



F2F2F2



737373



# Same Dimension

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



AE902B



E3B417



8BAE2B



57554E



967400



171200



# Inverse Universe

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



2B49AE



1745E3



4E2BAE



4E5057



002296



000517



# Previews

## White Background



This preview shows how the Hex color AE902B looks on a white background.

## Color Contrast Check

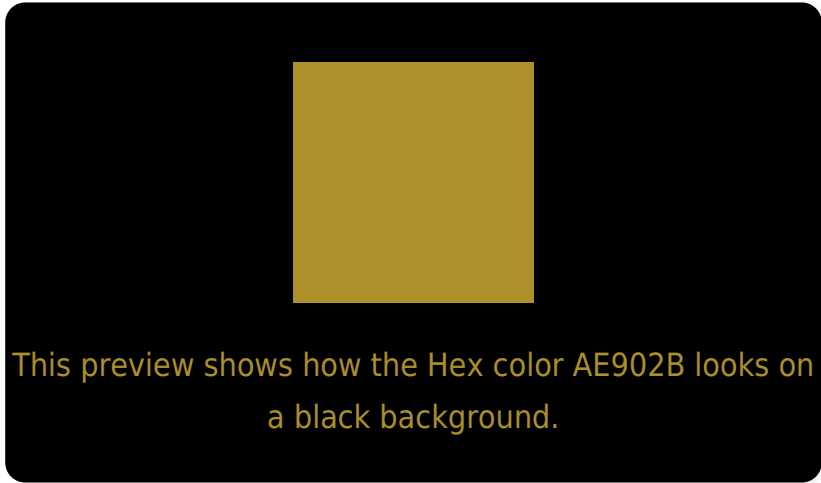
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex AE902B Background



This preview shows how black text looks on a background with the Hex color AE902B.

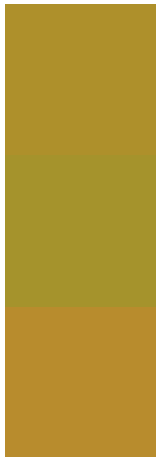


This preview shows how white text looks on a background with the Hex color AE902B.

# 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**  
AE902B

**Protanopia**  
A5932C

**Deuteranopia**  
B88C2D

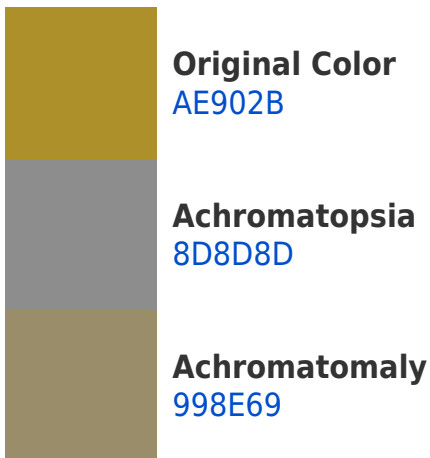


**Tritanopia**  
B58691

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex AE902B 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 #AE902B looks like.

```
.text, #text, p{  
    color:#AE902B  
}
```

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 #AE902B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AE902B  
}
```

## Border

The CSS property to change the border of an element to Hex AE902B 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  
#AE902B }
```

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

```
.border{ border-color:#AE902B }
```

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

Here you see how a box with a 4 pixel #AE902B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AE902B; -webkit-box-shadow:4px 4px  
4px 4px #AE902B; box-shadow:4px 4px 4px  
4px #AE902B }
```

# Background

The CSS property to change the background color of an element to Hex AE902B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AE902B }
```

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

```
.background{ background-color:#AE902B }
```

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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