

# Converting Colors

Hex(AE4800)

Have a look what the booklet for  
Hex(AE4800) contains.

<b>Hex(AE4800)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(AE4800)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE4800
RGB	174, 72, 0
RGB Percent	68%, 28%, 0%
CMY	0.3176, 0.7176, 1.0000
CMYK	0.00, 0.59, 1.00, 0.32
HSL	25°, 100%, 34%
HSV	25°, 100%, 68%
XYZ	19.7729, 13.6334, 1.5894
YIQ	94.2900, 83.9040, -0.7680

# Conversions

## Conversions Part 2

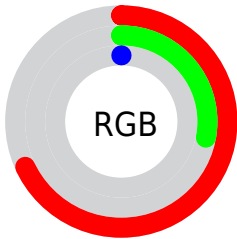
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 123, 0
Decimal	11421696
CIELab	43.70, 38.93, 54.06
CIELCh	44, 66.614, 54.242
Yxy	13.6334, 0.5650, 0.3896
Android (android.graphics.Color)	4289611776 (0xFFAE4800)
YUV	94.2900, -46.4850, 69.9057
Hunter-Lab	36.9234, 30.9728, 23.2943

# Details

The Hex color **AE4800** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **0066AE**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **EC7B39**, and **721400** is the 20% darker color. If you saturate the color by 10%, you get **AE4800**, and if you desaturate by 10%, it is **AE5211**.

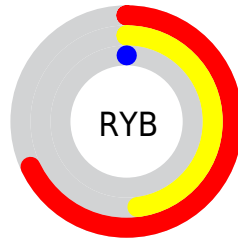
# Distribution



Red (68%)

Green (28%)

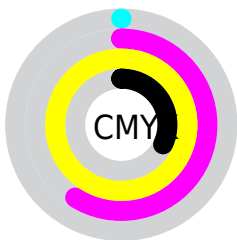
Blue (0%)



Red (68%)

Yellow (48%)

Blue (0%)

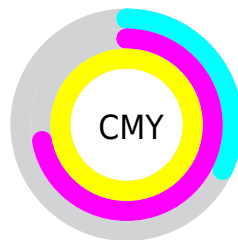


Cyan (0%)

Magenta (59%)

Yellow (100%)

Black (32%)



Cyan (32%)

Magenta (72%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AE4800 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 AE4800 by changing the saturation by 10% instead.



 AE4800

 AE4800

 FFFFFFF6

 902F00

 EC7B39

 721400

 FF9652

 540000

 FFB16C

 390000

 FFCD86

 180001

 FFEAA1

 000000

 FFFFBD

 FFFFD9

 AE4800

 AE5211

 AE5C23

 AE6734

 AE7146

 AE7B57

 AE8568

 AE8F7A

 AE9A8B

 AEA49D

# Harmonies

## Analogous

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



C4283E



AE4800



876100

# Triad

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



AE4800



007E5B



465DCD

# Complementary

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



AE4800



0066AE

# 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.



0072D6



AE4800



007F93

# Square

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



AE4800



007A1F



007CC1



9E3FA9

# Rectangle

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



AE4800



656D00



007CC1



0065D4



# Sweetspot

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



AE4800



E3BB9F



AE0068



735B49



F2F2F2



737373



# Same Dimension

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



AE4800



E35E00



AE9D00



57524E



963E00



170900



# Inverse Universe

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



0066AE



0085E3



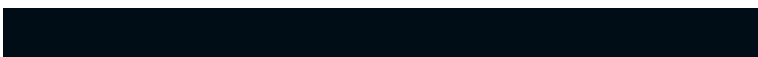
0011AE



4E5357



005896



000D17



# Previews

## White Background



This preview shows how the Hex color AE4800 looks on a white background.

## Color Contrast Check

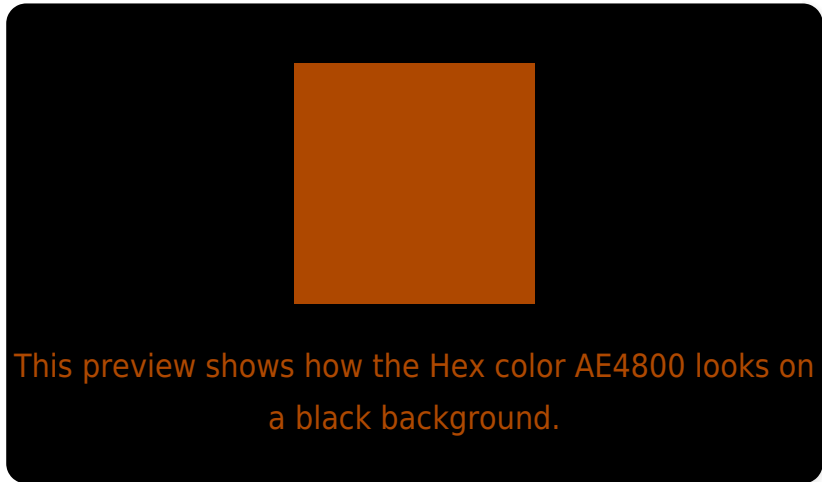
Large Text (above 18pt) WCAG AA ✓ Pass

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 AE4800 Background



This preview shows how black text looks on a background with the Hex color AE4800.



This preview shows how white text looks on a background with the Hex color AE4800.

# 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**  
AE4800

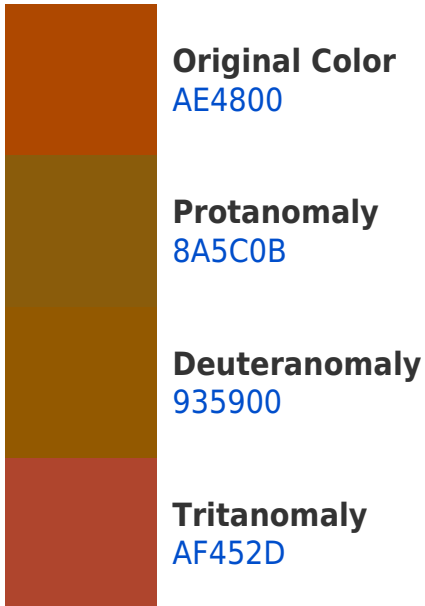
**Protanopia**  
756811

**Deuteranopia**  
836300



**Tritanopia**  
B04347

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex AE4800 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 #AE4800 looks like.

```
.text, #text, p{  
    color:#AE4800  
}
```

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 #AE4800 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AE4800
}
```

## Border

The CSS property to change the border of an element to Hex AE4800 is called "border". The border property can be set on classes, ids or directly on the HTML element.

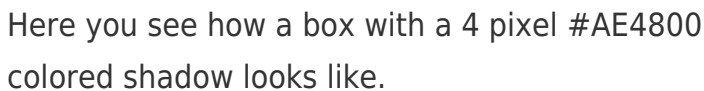
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#AE4800 }
```

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

```
.border{ border-color:#AE4800 }
```

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



Here you see how a box with a 4 pixel #AE4800 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AE4800; -webkit-box-shadow:4px 4px  
4px 4px #AE4800; box-shadow:4px 4px 4px  
4px #AE4800 }
```

# Background

The CSS property to change the background color of an element to Hex AE4800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AE4800 }
```

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

```
.background{ background-color:#AE4800 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor