

# Converting Colors

Hex(AE231D)

Have a look what the booklet for  
Hex(AE231D) contains.

<b>Hex(AE231D)</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(AE231D)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AE231D
RGB	174, 35, 29
RGB Percent	68%, 14%, 11%
CMY	0.3176, 0.8627, 0.8863
CMYK	0.00, 0.80, 0.83, 0.32
HSL	2°, 71%, 40%
HSV	2°, 83%, 68%
XYZ	18.2784, 10.2894, 2.1851
YIQ	75.8770, 84.7700, 27.6020

# Conversions

## Conversions Part 2

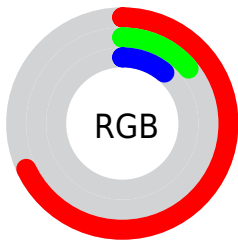
Format	Color
<a href="#">RYB</a>	<a href="#">174, 35, 29</a>
Decimal	<a href="#">11412253</a>
CIELab	<a href="#">38.36, 54.31, 39.37</a>
CIElCh	<a href="#">38, 67.076, 35.940</a>
Yxy	<a href="#">10.2894, 0.5944, 0.3346</a>
Android (android.graphics.Color)	<a href="#">4289602333</a> (0xFFAE231D)
YUV	<a href="#">75.8770, -23.1104, 86.0539</a>
Hunter-Lab	<a href="#">32.0772, 45.5787, 18.4152</a>

# Details

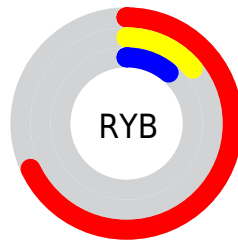
The Hex color **AE231D** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **1DA8AE**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **ED5D4B**, and **710000** is the 20% darker color. If you saturate the color by 10%, you get **AE120C**, and if you desaturate by 10%, it is **AE342E**.

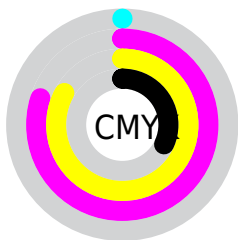
# Distribution



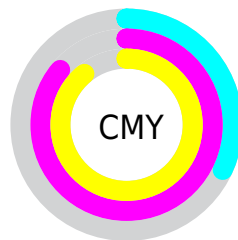
- Red (68%)
- Green (14%)
- Blue (11%)



- Red (68%)
- Yellow (14%)
- Blue (11%)



- Cyan (0%)
- Magenta (80%)
- Yellow (83%)
- Black (32%)



- Cyan (32%)
- Magenta (86%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color AE231D 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 AE231D by changing the saturation by 10% instead.



 AE231D

 AE231D

FFFFFF

 8F0006

 ED5D4B

 710000

 FF7963

 520000

 FF947C

 370002

 FFB196

 0B0000

 FFCDB1

 000000

 FFEACD

 FFFF E9

 AE231D

 AE231D

 AE120C

 AE342E

 AE0700

 AE4440

 AE5551

 AE6663

 AE7674

 AE8785

 AE9897

 AEA8A8

 AEB9BA

# Harmonies

## Analogous

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



B60052



AE231D



914600

# Triad

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



AE231D



006E2A



005EC8

# Complementary

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



AE231D



1DA8AE

# 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.



006CBF



AE231D



007164

# Square

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



AE231D



276800



007099



6445B4

# Rectangle

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



AE231D



755600



007099



0064C8



# Sweetspot

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



AE231D



E3ADAA



AE1DA9



735250



F2F2F2



737373



# Same Dimension

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



AE231D



E30900



AE6A1D



574E4E



960600



170100



# Inverse Universe

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



1DA8AE



00DAE3



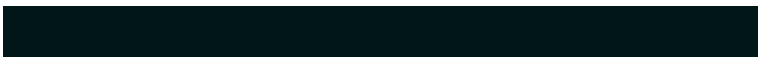
1D61AE



4E5657



009096



001617



# Previews

## White Background



This preview shows how the Hex color AE231D looks on a white background.

## Color Contrast Check

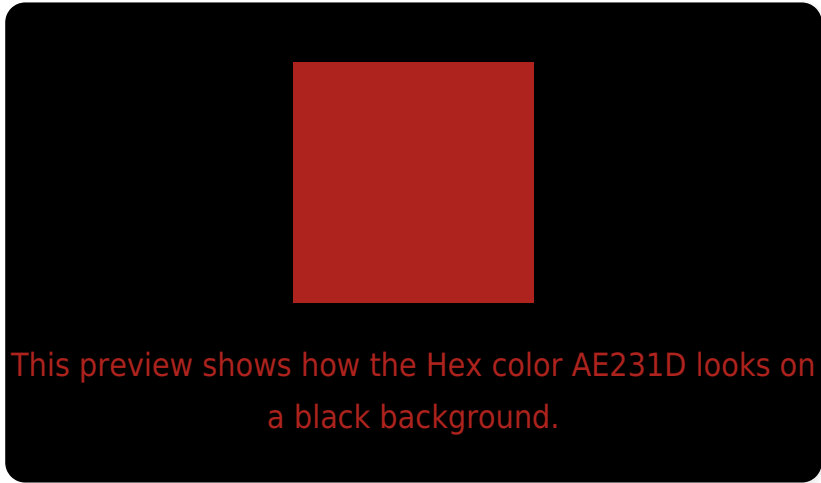
Large Text (above 18pt) WCAG AA ✓ Pass

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 AE231D Background



This preview shows how black text looks on a background with the Hex color AE231D.



This preview shows how white text looks on a background with the Hex color AE231D.

# 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**  
AE231D

**Protanopia**  
665C2B

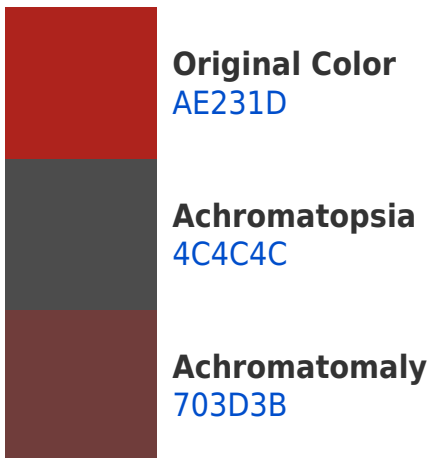
**Deuteranopia**  
74570C



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex AE231D 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 #AE231D looks like.

```
.text, #text, p{  
    color:#AE231D  
}
```

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 #AE231D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #AE231D }  
}
```

## Border

The CSS property to change the border of an element to Hex AE231D is called "border". The border property can be set on classes, ids or directly on the HTML element.

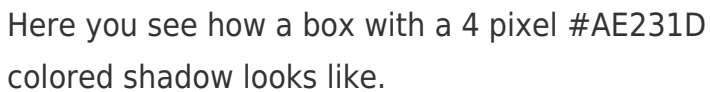
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid #AE231D }  
}
```

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

```
.border{ border-color:#AE231D }
```

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



Here you see how a box with a 4 pixel `#AE231D` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #AE231D; -webkit-box-shadow:4px 4px  
4px 4px #AE231D; box-shadow:4px 4px 4px  
4px #AE231D }
```

# Background

The CSS property to change the background color of an element to Hex AE231D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#AE231D }
```

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

```
.background{ background-color:#AE231D }
```

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