

# Converting Colors

Hex(A81700)

Have a look what the booklet for  
Hex(A81700) contains.

<b>Hex(A81700)</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> .....	28

**Color**

**Hex(A81700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A81700
RGB	168, 23, 0
RGB Percent	66%, 9%, 0%
CMY	0.3412, 0.9098, 1.0000
CMYK	0.00, 0.86, 1.00, 0.34
HSL	8°, 100%, 33%
HSV	8°, 100%, 66%
XYZ	16.4548, 8.9376, 0.8579
YIQ	63.7330, 93.8030, 23.5870

# Conversions

## Conversions Part 2

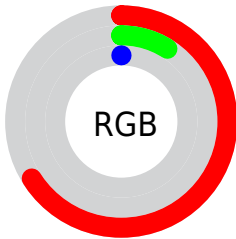
Format	Color
<a href="#">RYB</a>	168, 27, 0
Decimal	11015936
CIELab	35.86, 55.12, 49.56
CIElCh	36, 74.125, 41.963
Yxy	8.9376, 0.6268, 0.3405
Android (android.graphics.Color)	4289206016 (0xFFA81700)
YUV	63.7330, -31.4204, 91.4422
Hunter-Lab	29.8959, 45.9296, 19.2258

# Details

The Hex color **A81700** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **0091A8**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **E85531**, and **6A0000** is the 20% darker color. If you saturate the color by 10%, you get **A81700**, and if you desaturate by 10%, it is **A82511**.

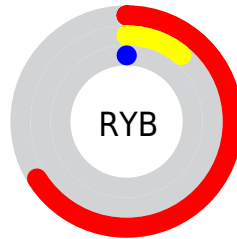
# Distribution



Red (66%)

Green (9%)

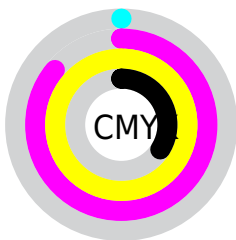
Blue (0%)



Red (66%)

Yellow (11%)

Blue (0%)

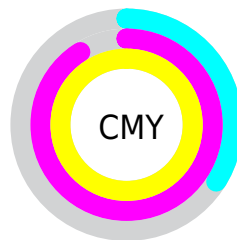


Cyan (0%)

Magenta (86%)

Yellow (100%)

Black (34%)



Cyan (34%)

Magenta (91%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color A81700 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 A81700 by changing the saturation by 10% instead.



 A81700

 A81700

 FFFFEA

 890000

 E85531

 6A0000

 FF704A

 4C0000

 FF8C62

 300002

 FFA87C

 000000

 FFC596

 FFE2B1

 FFFFCD

 A81700

 A82511

 A83422

 A84232

 A85143

 A85F54

 A86E65

 A87C76

 A88B86

 A89997

# Harmonies

## Analogous

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



B70040



A81700



844400

# Triad

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



A81700



006A2C



0055CB

# Complementary

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



A81700



0091A8

# 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.



0065C7



A81700



006C6C

# Square

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



A81700



006500



006BA4



6F34AE

# Rectangle

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



A81700



645400



006BA4



005CCE



# Sweetspot

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



A81700



DBA39A



A80092



6E4C46



EDEDED



6E6E6E



# Same Dimension

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



A81700



DB1E00



A86A00



544D4C



941400



140300



# Inverse Universe

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



0091A8



00BDD8



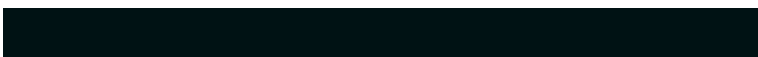
003EA8



4C5354



008094



001214



# Previews

## White Background



This preview shows how the Hex color A81700 looks on a white background.

## Color Contrast Check

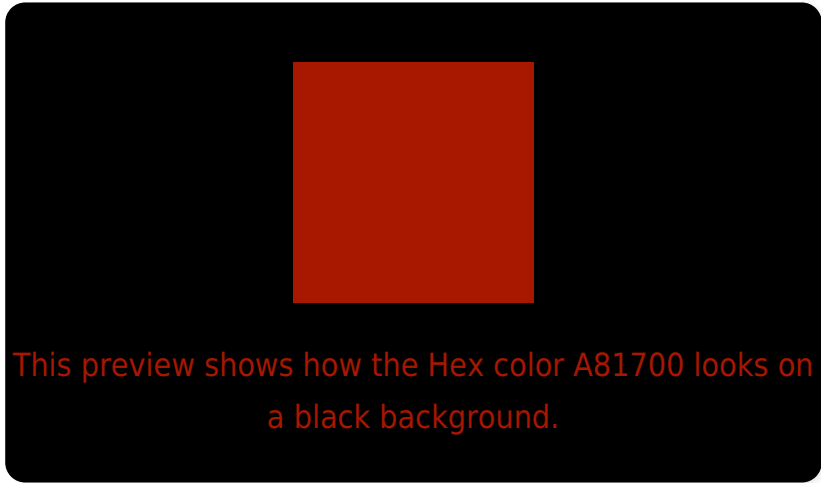
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 A81700 Background



This preview shows how black text looks on a background with the Hex color A81700.



This preview shows how white text looks on a background with the Hex color A81700.

# 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**  
A81700

**Protanopia**  
615615

**Tritanopia**  
A81613

# Trichromacy



**Original Color**  
A81700

**Protanomaly**  
7B3F0D

**Tritanomaly**  
A8160C

# Monochromacy



**Original Color**  
A81700

**Achromatopsia**  
404040

**Achromatomaly**  
663129

# CSS Examples

## Text

The CSS property to change the color of the text to Hex A81700 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 #A81700 looks like.

```
.text, #text, p{  
    color:#A81700  
}
```

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 #A81700 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #A81700
}
```

## Border

The CSS property to change the border of an element to Hex A81700 is called "border". The border property can be set on classes, ids or directly on the HTML element.

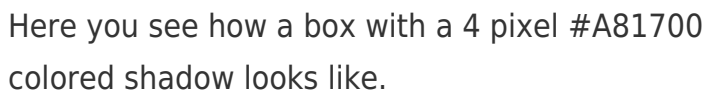
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#A81700 }
```

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

```
.border{ border-color:#A81700 }
```

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



Here you see how a box with a 4 pixel `#A81700` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #A81700; -webkit-box-shadow:4px 4px  
4px 4px #A81700; box-shadow:4px 4px 4px  
4px #A81700 }
```

# Background

The CSS property to change the background color of an element to Hex A81700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#A81700 }
```

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

```
.background{ background-color:#A81700 }
```

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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