

# Converting Colors

Hex(831000)

Have a look what the booklet for  
Hex(831000) contains.

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**Color**

**Hex(831000)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	831000
RGB	131, 16, 0
RGB Percent	51%, 6%, 0%
CMY	0.4863, 0.9373, 1.0000
CMYK	0.00, 0.88, 1.00, 0.49
HSL	7°, 100%, 26%
HSV	7°, 100%, 51%
XYZ	9.5454, 5.1959, 0.4998
YIQ	48.5610, 73.6760, 19.4040

# Conversions

## Conversions Part 2

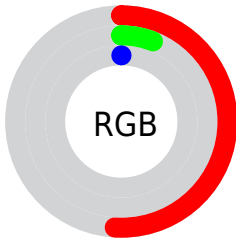
Format	Color
<a href="#">RYB</a>	<a href="#">131, 18, 0</a>
Decimal	<a href="#">8589312</a>
CIELab	<a href="#">27.29, 45.83, 39.90</a>
CIELCh	<a href="#">27, 60.765, 41.037</a>
Yxy	<a href="#">5.1959, 0.6263, 0.3409</a>
Android (android.graphics.Color)	<a href="#">4286779392 (0xFF831000)</a>
YUV	<a href="#">48.5610, -23.9406, 72.2990</a>
Hunter-Lab	<a href="#">22.7945, 34.8580, 14.6561</a>

# Details

The Hex color **831000** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **007383**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **C04A2F**, and **480000** is the 20% darker color. If you saturate the color by 10%, you get **831000**, and if you desaturate by 10%, it is **831B0D**.

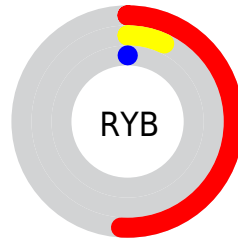
# Distribution



Red (51%)

Green (6%)

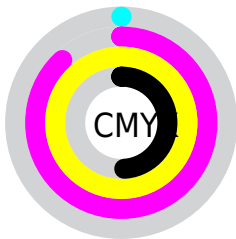
Blue (0%)



Red (51%)

Yellow (7%)

Blue (0%)

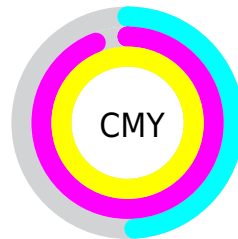


Cyan (0%)

Magenta (88%)

Yellow (100%)

Black (49%)



Cyan (49%)

Magenta (94%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 831000 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 831000 by changing the saturation by 10% instead.



 831000

 831000

 FFFFE4

 650000

 C04A2F

 480000

 DF6446

 2E0002

 FE7F5E

 000000

 FF9A78

 FFB692

 FFD2AC

 FFEFC8

 831000

 831B0D

 83271A

 833327

 833E34

 834A42

 83554F

 83615C

 836C69

 837776

# Harmonies

## Analogous

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



8E0032



831000



673300

# Triad

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



831000



005120



00429E

# Complementary

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



831000



007383

# 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.



004E9A



831000



005351

# Square

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



831000



004D00



00527D



542988

# Rectangle

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



831000



4F3F00



00527D



0047A0



# Sweetspot

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



831000



AB7E78



830074



573B37



D6D6D6



575757



# Same Dimension

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



831000



AB1500



835100



423C3C



821000



030000



# Inverse Universe

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



007383



0096AB



003283



3C4142



007282

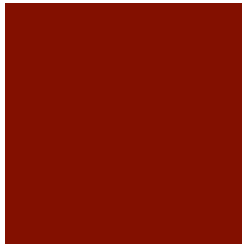


000203



# Previews

## White Background



This preview shows how the Hex color 831000 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

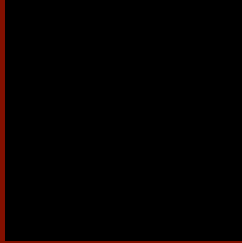
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 831000 Background



This preview shows how black text looks on a background with the Hex color 831000.



This preview shows how white text looks on a background with the Hex color 831000.

# 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**  
831000

**Protanopia**  
4B4310

**Deuteranopia**  
544000



# Trichromacy



**Original Color**  
831000

**Protanomaly**  
5F300A

**Deuteranomaly**  
652F00

**Tritanomaly**  
830F08

# Monochromacy



**Original Color**  
831000

**Achromatopsia**  
313131

**Achromatomaly**  
4F251F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 831000 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 #831000 looks like.

```
.text, #text, p{  
    color:#831000  
}
```

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 #831000 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #831000
}
```

## Border

The CSS property to change the border of an element to Hex 831000 is called "border". The border property can be set on classes, ids or directly on the HTML element.

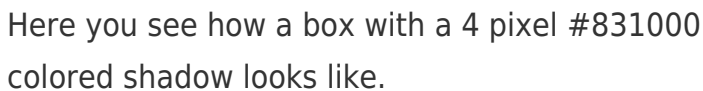
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#831000 }
```

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

```
.border{ border-color:#831000 }
```

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



Here you see how a box with a 4 pixel #831000 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #831000; -webkit-box-shadow:4px 4px  
4px 4px #831000; box-shadow:4px 4px 4px  
4px #831000 }
```

# Background

The CSS property to change the background color of an element to Hex 831000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#831000 }
```

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

```
.background{ background-color:#831000 }
```

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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