

Converting Colors

Hex(80231B)

Have a look what the booklet for
Hex(80231B) contains.

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Color

Hex(80231B)

Conversions

Conversions Part 1

Format	Color
Hex	80231B
RGB	128, 35, 27
RGB Percent	50%, 14%, 11%
CMY	0.4980, 0.8627, 0.8941
CMYK	0.00, 0.73, 0.79, 0.50
HSL	5°, 65%, 30%
HSV	5°, 79%, 50%
XYZ	9.7009, 5.8704, 1.6587
YIQ	61.8950, 57.9960, 17.2280

Conversions

Conversions Part 2

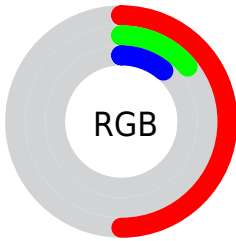
Format	Color
R_{YB}	128, 36, 27
Decimal	8397595
CIE Lab	29.08, 39.34, 28.15
CIE LCh	29, 48.376, 35.585
Yxy	5.8704, 0.5630, 0.3407
Android (android.graphics.Color)	4286587675 (0xFF80231B)
YUV	61.8950, -17.2032, 57.9741
Hunter-Lab	24.2289, 29.0687, 12.9012

Details

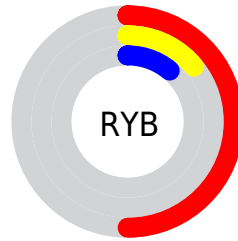
The Hex color **80231B** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **1B7880**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **BB5647**, and **470000** is the 20% darker color. If you saturate the color by 10%, you get **80170E**, and if you desaturate by 10%, it is **802F28**.

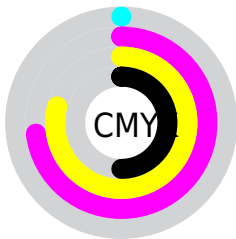
Distribution



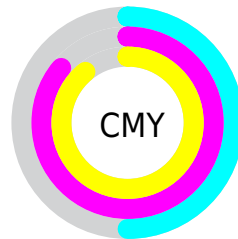
- Red (50%)
- Green (14%)
- Blue (11%)



- Red (50%)
- Yellow (14%)
- Blue (11%)



- Cyan (0%)
- Magenta (73%)
- Yellow (79%)
- Black (50%)



- Cyan (50%)
- Magenta (86%)
- Yellow (89%)

Brightness & Saturation Gradients

These gradients show how the Hex color 80231B 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 80231B by changing the saturation by 10% instead.

 80231B

 80231B

FFFFFF

 640303

 BB5647

 470000

 D9705F

 2F0002

 F78B78

 000000

 FFA692

 FFC1AC

 FFDEC8

 FFFBE4

 80231B

 80231B

■ 80170E

■ 802F28

■ 800B01

■ 803B35

■ 800A00

■ 804641

■ 80524E

■ 805E5B

■ 806A68

■ 807675

■ 808181

■ 808D8E

Harmonies

Analogous

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



85153F



80231B



6C3700

Triad

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



80231B



005323



004790

Complementary

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



80231B



1B7880

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.



005189



80231B



00554B

Square

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



80231B



264E00



00546F



4C3782

Rectangle

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



80231B



594100



00546F



004B90

Sweetspot

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



80231B



A6817E



801B79



543E3C



D4D4D4



545454

Same Dimension

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



80231B



A61508



80541B



403A39



800A00



000000

Inverse Universe

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



1B7880



0899A6



1B4780



393F40



007580



000000

Previews

White Background



This preview shows how the Hex color 80231B 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 80231B Background



This preview shows how black text looks on a background with the Hex color 80231B.

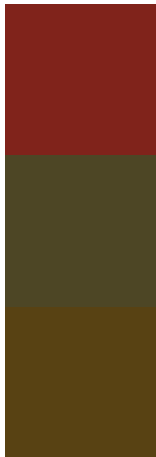


This preview shows how white text looks on a background with the Hex color 80231B.

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
80231B

Protanopia
4D4625

Deuteranopia
584213



Tritanopia
802223

Trichromacy



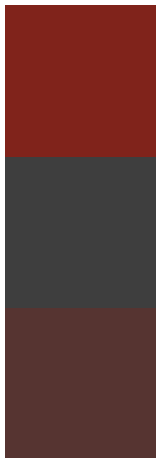
Original Color
80231B

Protanomaly
603921

Deuteranomaly
673716

Tritanomaly
802220

Monochromacy



Original Color
80231B

Achromatopsia
3E3E3E

Achromatomaly
563431

CSS Examples

Text

The CSS property to change the color of the text to Hex 80231B 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 #80231B looks like.

```
.text, #text, p{  
    color:#80231B  
}
```

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 #80231B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80231B
}
```

Border

The CSS property to change the border of an element to Hex 80231B 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
#80231B }
```

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

```
.border{ border-color:#80231B }
```

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

Here you see how a box with a 4 pixel #80231B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80231B; -webkit-box-shadow:4px 4px  
4px 4px #80231B; box-shadow:4px 4px 4px  
4px #80231B }
```

Background

The CSS property to change the background color of an element to Hex 80231B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80231B }
```

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

```
.background{ background-color:#80231B }
```

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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