

Converting Colors

Hex(1B0231)

Have a look what the booklet for
Hex(1B0231) contains.

Hex(1B0231)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(1B0231)

Conversions

Conversions Part 1

Format	Color
Hex	1B0231
RGB	27, 2, 49
RGB Percent	11%, 1%, 19%
CMY	0.8941, 0.9922, 0.8078
CMYK	0.45, 0.96, 0.00, 0.81
HSL	272°, 92%, 10%
HSV	272°, 96%, 19%
XYZ	1.0281, 0.4982, 2.9477
YIQ	14.8330, -0.1870, 19.9170

Conversions

Conversions Part 2

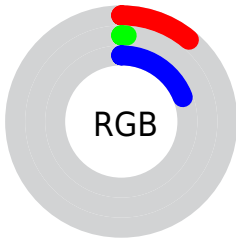
Format	Color
R_YB	27, 2, 49
Decimal	1770033
CIE Lab	4.50, 22.22, -24.71
CIE LCh	5, 33.227, 311.958
Yxy	0.4982, 0.2298, 0.1114
Android (android.graphics.Color)	4279960113 (0xFF1B0231)
YUV	14.8330, 16.8443, 10.6705
Hunter-Lab	7.0582, 13.6481, -19.8205

Details

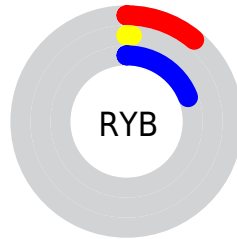
The Hex color **1B0231** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **183102**, and the grayscale version is **0F0F0F**.

A 20% lighter version of the original color is **482F60**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1A0031**, and if you desaturate by 10%, it is **1D0731**.

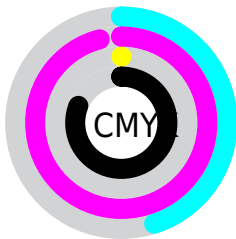
Distribution



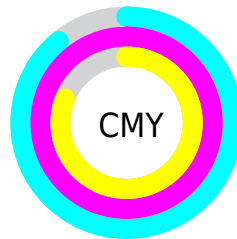
- Red (11%)
- Green (1%)
- Blue (19%)



- Red (11%)
- Yellow (1%)
- Blue (19%)



- Cyan (45%)
- Magenta (96%)
- Yellow (0%)
- Black (81%)



- Cyan (89%)
- Magenta (99%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1B0231 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 1B0231 by changing the saturation by 10% instead.

 1B0231

 1B0231

 FFE3FF

 00011C

 482F60

 000000

 614679

 7A5E93

 9477AD

 AF90C9

 CBABE5

 E7C6FF

 1B0231

 1B0231

■ 1A0031

■ 1D0731

■ 200C31

■ 221131

■ 241631

■ 261B31

■ 291F31

■ 2B2431

■ 2D2931

■ 302E31

Harmonies

Analogous

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



000F3B



1B0231



2F001F

Triad

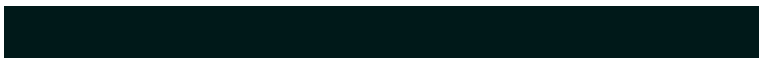
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



1B0231



220800



001919

Complementary

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



1B0231



183102

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.



001800



1B0231



071300

Square

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



1B0231



2F0000



001800



001A2D

Rectangle

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



1B0231



34000F



001800



001911

Sweetspot

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



1B0231



372D40



021931



1C1621



A1A1A1



212121

Same Dimension

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



1B0231



220040



310230



18171A



2F0059



7300D9

Inverse Universe

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



310218



40001E



023103



1A1718



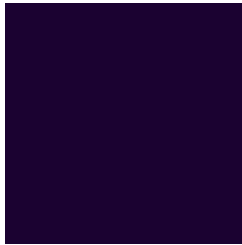
59002A



D90065

Previews

White Background



This preview shows how the Hex color 1B0231 looks on a white background.

Color Contrast Check

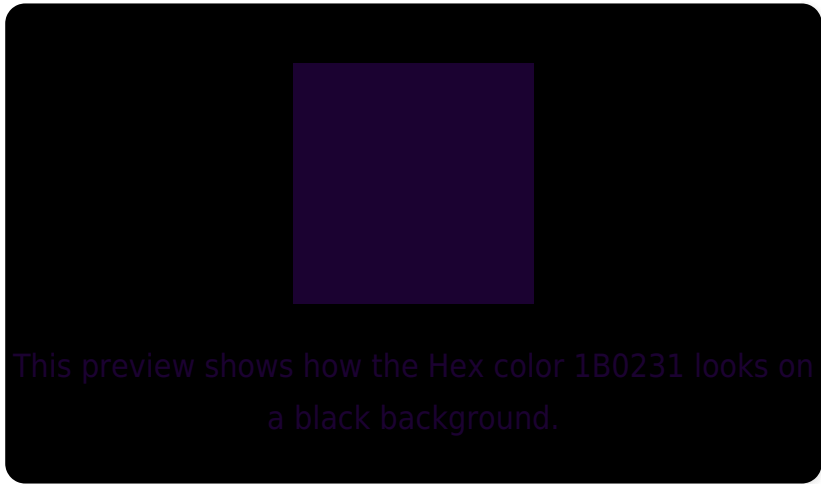
Large Text (above 18pt) WCAG AA ✓ Pass

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

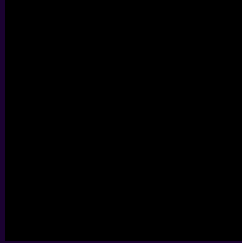
Any Text WCAG AA × Fail

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 1B0231 Background



This preview shows how black text looks on a background with the Hex color 1B0231.



This preview shows how white text looks on a background with the Hex color 1B0231.

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
1B0231

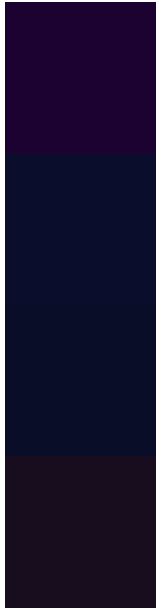
Protanopia
001328

Deuteranopia
001422



Tritanopia
141315

Trichromacy



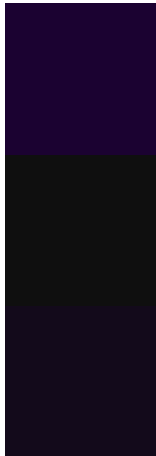
Original Color
1B0231

Protanomaly
0A0D2B

Deuteranomaly
0A0D27

Tritanomaly
170D1F

Monochromacy



Original Color
1B0231

Achromatopsia
0F0F0F

Achromatomaly
130A1B

CSS Examples

Text

The CSS property to change the color of the text to Hex 1B0231 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 #1B0231 looks like.

```
.text, #text, p{  
    color:#1B0231  
}
```

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 #1B0231 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B0231
}
```

Border

The CSS property to change the border of an element to Hex 1B0231 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
#1B0231 }
```

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

```
.border{ border-color:#1B0231 }
```

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

Here you see how a box with a 4 pixel #1B0231 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B0231; -webkit-box-shadow:4px 4px  
4px 4px #1B0231; box-shadow:4px 4px 4px  
4px #1B0231 }
```

Background

The CSS property to change the background color of an element to Hex 1B0231 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B0231 }
```

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

```
.background{ background-color:#1B0231 }
```

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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