

# Converting Colors

Hex(1B031B)

Have a look what the booklet for  
Hex(1B031B) contains.

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# Color

**Hex(1B031B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1B031B
RGB	27, 3, 27
RGB Percent	11%, 1%, 11%
CMY	0.8941, 0.9882, 0.8941
CMYK	0.00, 0.89, 0.00, 0.89
HSL	300°, 80%, 6%
HSV	300°, 89%, 11%
XYZ	0.6824, 0.3773, 1.0738
YIQ	12.9120, 6.6000, 12.5520

# Conversions

## Conversions Part 2

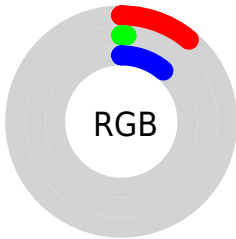
<b>Format</b>	<b>Color</b>
<b>RYB</b>	27, 3, 27
Decimal	1770267
CIELab	3.41, 13.26, -9.43
CIELCh	3, 16.273, 324.598
Yxy	0.3773, 0.3199, 0.1768
Android (android.graphics.Color)	4279960347 (0xFF1B031B)
YUV	12.9120, 6.9454, 12.3552
Hunter-Lab	6.1422, 9.0821, -6.0654

# Details

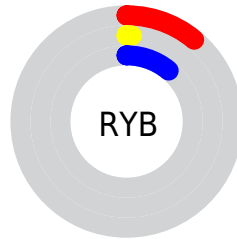
The Hex color **1B031B** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **031B03**, and the grayscale version is **0D0D0D**.

A 20% lighter version of the original color is **453146**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1B001B**, and if you desaturate by 10%, it is **1B061B**.

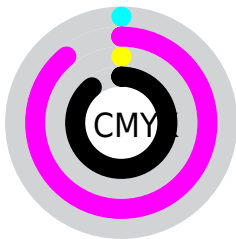
# Distribution



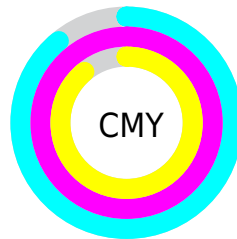
- Red (11%)
- Green (1%)
- Blue (11%)



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



- Cyan (0%)
- Magenta (89%)
- Yellow (0%)
- Black (89%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 1B031B 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 1B031B by changing the saturation by 10% instead.



 1B031B

 1B031B

 FEE4FE

 000000

 453146

 5D485E

 766076

 8F7890

 AA92AA

 C5ADC6

 E1C8E2

 1B031B

 1B031B

■ 1B001B

■ 1B061B

■ 1B081B

■ 1B0B1B

■ 1B0E1B

■ 1B111B

■ 1B131B

■ 1B161B

■ 1B191B

■ 1B1B1B

# Harmonies

## Analogous

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



0C0922



1B031B



220010

# Triad

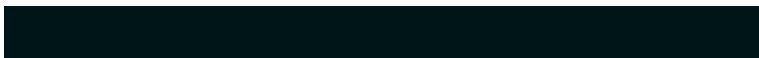
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



1B031B



140B00



001517

# Complementary

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



1B031B



031B03

# 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.



001408



1B031B



021000

# Square

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



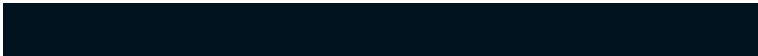
1B031B



1E0500



001300



00131F

# Rectangle

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



1B031B



240003



001300



001513



# Sweetspot

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



1B031B



241A24



03031B



120C12



919191



121212



# Same Dimension

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



1B031B



240024



1B030F



0D0B0D



4D004D



CC00CC



# Inverse Universe

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



1B031B



240024



031B0F



0D0B0D



4D004D

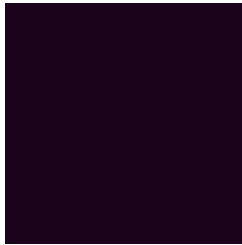


CC00CC



# Previews

## White Background



This preview shows how the Hex color 1B031B looks on a white background.

## Color Contrast Check

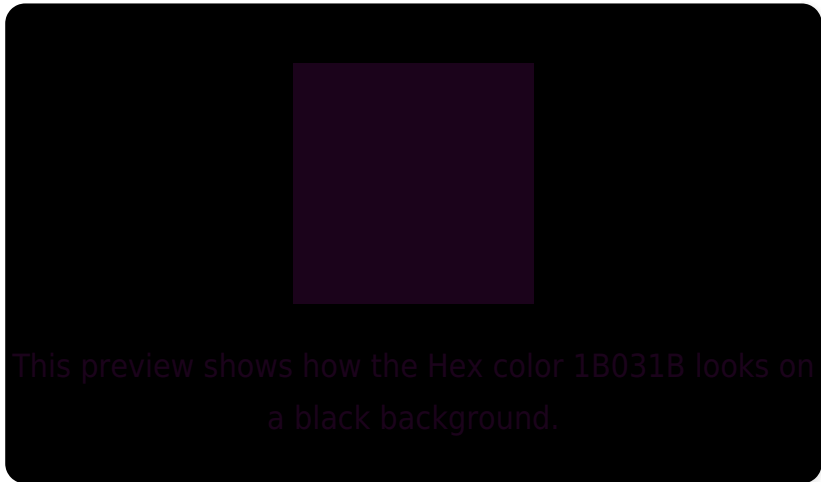
Large Text (above 18pt) WCAG AA ✓ Pass

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

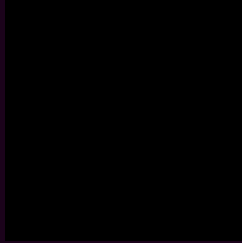
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1B031B Background



This preview shows how black text looks on a background with the Hex color 1B031B.



This preview shows how white text looks on a background with the Hex color 1B031B.

# 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**  
1B031B

**Protanopia**  
000F20

**Deuteranopia**  
0A1019



**Tritanopia**  
190B0C

# Trichromacy



**Original Color**  
1B031B

**Protanomaly**  
0A0B1E

**Deuteranomaly**  
100B1A

**Tritanomaly**  
1A0811

# Monochromacy



**Original Color**  
1B031B

**Achromatopsia**  
0D0D0D

**Achromatomaly**  
120912

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1B031B 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 #1B031B looks like.

```
.text, #text, p{  
    color:#1B031B  
}
```

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 #1B031B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B031B
}
```

## Border

The CSS property to change the border of an element to Hex 1B031B 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
#1B031B }
```

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

```
.border{ border-color:#1B031B }
```

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

Here you see how a box with a 4 pixel #1B031B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B031B; -webkit-box-shadow:4px 4px  
4px 4px #1B031B; box-shadow:4px 4px 4px  
4px #1B031B }
```

# Background

The CSS property to change the background color of an element to Hex 1B031B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B031B }
```

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

```
.background{ background-color:#1B031B }
```

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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