

# Converting Colors

Hex(B31731)

Have a look what the booklet for  
Hex(B31731) contains.

<b>Hex(B31731)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(B31731)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B31731
RGB	179, 23, 49
RGB Percent	70%, 9%, 19%
CMY	0.2980, 0.9098, 0.8078
CMYK	0.00, 0.87, 0.73, 0.30
HSL	350°, 77%, 40%
HSV	350°, 87%, 70%
XYZ	19.4512, 10.4182, 3.8915
YIQ	72.6080, 84.6300, 41.1580

# Conversions

## Conversions Part 2

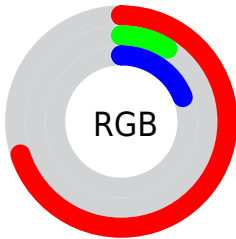
Format	Color
<b>R<sub>YB</sub></b>	179, 23, 49
Decimal	11736881
CIE Lab	38.58, 59.38, 28.23
CIE LCh	39, 65.747, 25.427
Yxy	10.4182, 0.5761, 0.3086
Android (android.graphics.Color)	4289926961 (0xFFB31731)
YUV	72.6080, -11.6387, 93.3058
Hunter-Lab	32.2773, 51.0836, 15.4459

# Details

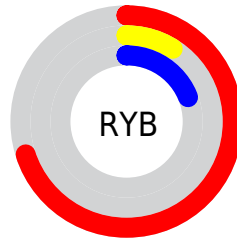
The Hex color **B31731** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **17B399**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **F2585F**, and **760004** is the 20% darker color. If you saturate the color by 10%, you get **B30522**, and if you desaturate by 10%, it is **B32940**.

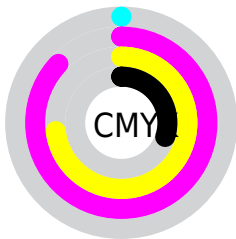
# Distribution



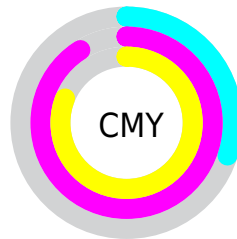
- Red (70%)
- Green (9%)
- Blue (19%)



- Red (70%)
- Yellow (9%)
- Blue (19%)



- Cyan (0%)
- Magenta (87%)
- Yellow (73%)
- Black (30%)



- Cyan (30%)
- Magenta (91%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B31731 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 B31731 by changing the saturation by 10% instead.



 B31731

 B31731

FFFFFF

 94001C

 F2585F

 760004

 FF7478

 580000

 FF9092

 3C0003

 FFADAC

 160000

 FFCAC7

 000000

 FFE7E3

 B31731

 B31731

 B30522

 B32940

 B3001E

 B33B4F

 B34D5E

 B35F6D

 B3717C

 B3828B

 B39499

 B3A6A8

 B3B8B7

# Harmonies

## Analogous

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



B20165



B31731



9C3D00

# Triad

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



B31731



006D15



0064C7

# Complementary

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



B31731



17B399

# 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.



006EB3



B31731



007051

# Square

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



B31731



436500



007188



3C50BD

# Rectangle

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



B31731



844F00



007188



0069C3



# Sweetspot

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



B31731



E8ACB6



9917B3



755157



F5F5F5



757575



# Same Dimension

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



B31731



E80027



B34B17



595052



99001A



1A0004



# Inverse Universe

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



B31731



E80027



177FB3



595052



990019



1A0004



# Previews

## White Background



This preview shows how the Hex color B31731 looks on a white background.

## Color Contrast Check

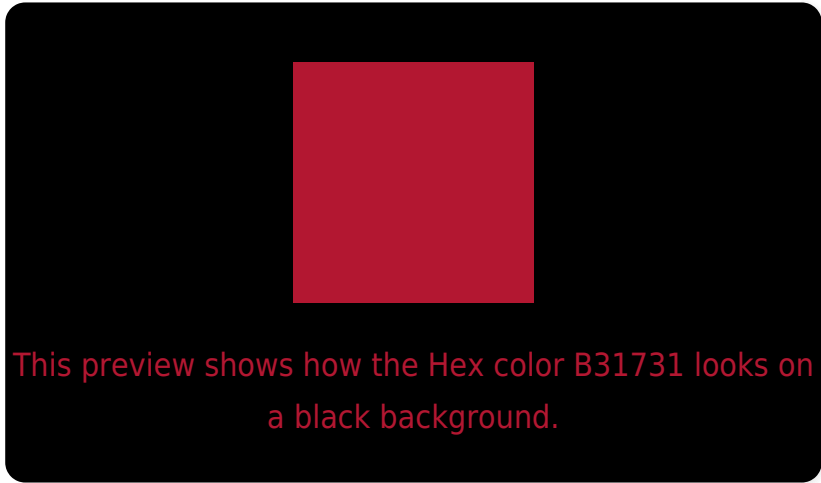
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 B31731 Background



This preview shows how black text looks on a background with the Hex color B31731.

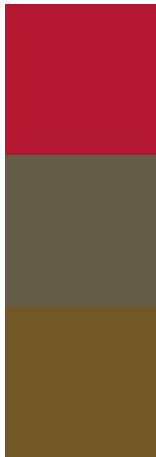


This preview shows how white text looks on a background with the Hex color B31731.

# 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**  
B31731

**Protanopia**  
635C47

**Deuteranopia**  
735828



# Trichromacy



**Original Color**  
B31731

**Protanomaly**  
80433F

**Deuteranomaly**  
8A402B

**Tritanomaly**  
B21A23

# Monochromacy



**Original Color**  
B31731

**Achromatopsia**  
494949

**Achromatomaly**  
703740

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B31731 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 #B31731 looks like.

```
.text, #text, p{  
    color:#B31731  
}
```

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 #B31731 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B31731
}
```

## Border

The CSS property to change the border of an element to Hex B31731 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".

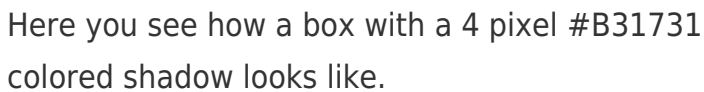
```
.border, #border, table{ border:4px solid
#B31731 }
```

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

```
.border{ border-color:#B31731 }
```

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

Here you see how a box with a 4 pixel #B31731 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B31731; -webkit-box-shadow:4px 4px  
4px 4px #B31731; box-shadow:4px 4px 4px  
4px #B31731 }
```

# Background

The CSS property to change the background color of an element to Hex B31731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B31731 }
```

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

```
.background{ background-color:#B31731 }
```

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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