

# Converting Colors

Hex(B31431)

Have a look what the booklet for  
Hex(B31431) contains.

<b>Hex(B31431)</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(B31431)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B31431
RGB	179, 20, 49
RGB Percent	70%, 8%, 19%
CMY	0.2980, 0.9216, 0.8078
CMYK	0.00, 0.89, 0.73, 0.30
HSL	349°, 80%, 39%
HSV	349°, 89%, 70%
XYZ	19.3949, 10.3058, 3.8727
YIQ	70.8470, 85.4550, 42.7270

# Conversions

## Conversions Part 2

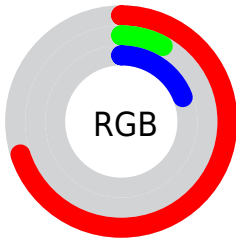
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	179, 20, 49
Decimal	11736113
CIE Lab	38.39, 59.94, 28.00
CIE LCh	38, 66.159, 25.034
Yxy	10.3058, 0.5777, 0.3070
Android (android.graphics.Color)	4289926193 (0xFFB31431)
YUV	70.8470, -10.7706, 94.8502
Hunter-Lab	32.1026, 51.6621, 15.3193

# Details

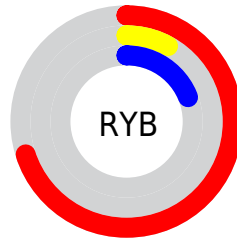
The Hex color **B31431** is a dark color, and the websafe version is hex **CC0033**. A complement of this color would be **14B396**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **F2575F**, and **760004** is the 20% darker color. If you saturate the color by 10%, you get **B30222**, and if you desaturate by 10%, it is **B32640**.

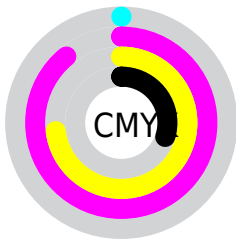
# Distribution



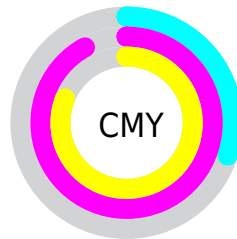
- Red (70%)
- Green (8%)
- Blue (19%)



- Red (70%)
- Yellow (8%)
- Blue (19%)



- Cyan (0%)
- Magenta (89%)
- Yellow (73%)
- Black (30%)



- Cyan (30%)
- Magenta (92%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B31431 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 B31431 by changing the saturation by 10% instead.



 B31431

 B31431

FFFFFF

 94001C

 F2575F

 760004

 FF7378

 580000

 FF8F91

 3C0003

 FFACAC

 160000

 FFC8C7

 000000

 FFE6E3

 B31431

 B31431

 B30222

 B32640

 B30021

 B3384E

 B34A5D

 B35C6C

 B36D7A

 B37F89

 B39197

 B3A3A6

 B3B5B5

# Harmonies

## Analogous

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



B10066



B31431



9D3C00

# Triad

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



B31431



006C13



0064C7

# Complementary

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



B31431



14B396

# 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



B31431



00704F

# Square

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



B31431



436400



007187



3950BD

# Rectangle

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



B31431



854E00



007187



0068C3



# Sweetspot

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



B31431



E8A9B5



9614B3



755057



F5F5F5



757575



# Same Dimension

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



B31431



E8002A



B34614



595052



99001C



1A0005



# Inverse Universe

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



B31431



E8002A



1481B3



595052



99001C



1A0005



# Previews

## White Background



This preview shows how the Hex color B31431 looks on a white background.

## Color Contrast Check

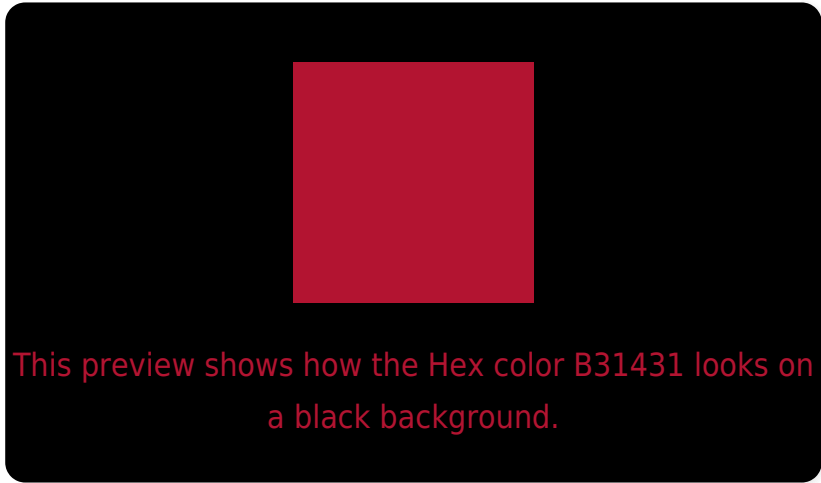
Large Text (above 18pt) WCAG AA ✓ Pass

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 B31431 Background



This preview shows how black text looks on a background with the Hex color B31431.

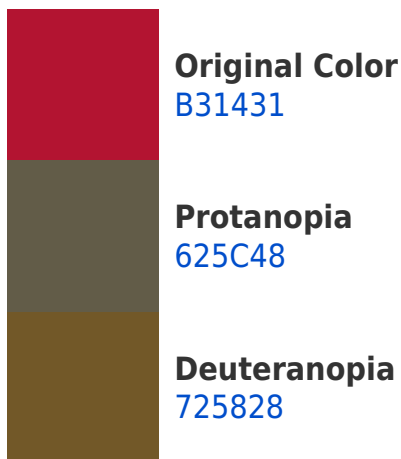


This preview shows how white text looks on a background with the Hex color B31431.

# 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





**Tritanopia**  
B21B18

# Trichromacy



**Original Color**  
B31431

**Protanomaly**  
7F4240

**Deuteranomaly**  
8A3F2B

**Tritanomaly**  
B21821

# Monochromacy



**Original Color**  
B31431

**Achromatopsia**  
474747

**Achromatomaly**  
6E343F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B31431 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 #B31431 looks like.

```
.text, #text, p{  
    color:#B31431  
}
```

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 #B31431 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B31431
}
```

## Border

The CSS property to change the border of an element to Hex B31431 is called "border". The border property can be set on classes, ids or directly on the HTML element.

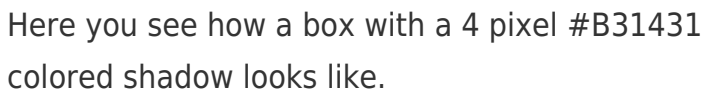
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B31431 }
```

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

```
.border{ border-color:#B31431 }
```

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



Here you see how a box with a 4 pixel #B31431 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B31431; -webkit-box-shadow:4px 4px  
4px 4px #B31431; box-shadow:4px 4px 4px  
4px #B31431 }
```

# Background

The CSS property to change the background color of an element to Hex B31431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B31431 }
```

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

```
.background{ background-color:#B31431 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor