

# Converting Colors

Hex(B31420)

Have a look what the booklet for  
Hex(B31420) contains.

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# Color

**Hex(B31420)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B31420
RGB	179, 20, 32
RGB Percent	70%, 8%, 13%
CMY	0.2980, 0.9216, 0.8745
CMYK	0.00, 0.89, 0.82, 0.30
HSL	355°, 80%, 39%
HSV	355°, 89%, 70%
XYZ	19.1013, 10.1883, 2.3263
YIQ	68.9090, 90.9120, 37.4400

# Conversions

## Conversions Part 2

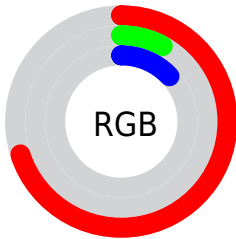
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	179, 20, 32
Decimal	11736096
CIE Lab	38.18, 59.34, 37.91
CIE LCh	38, 70.423, 32.574
Yxy	10.1883, 0.6042, 0.3223
Android (android.graphics.Color)	4289926176 (0xFFB31420)
YUV	68.9090, -18.1961, 96.5498
Hunter-Lab	31.9191, 50.9608, 18.0223

# Details

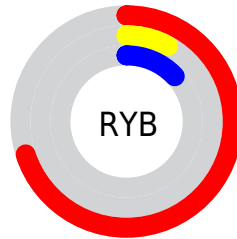
The Hex color **B31420** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **14B3A7**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **F2564D**, and **750000** is the 20% darker color. If you saturate the color by 10%, you get **B3020F**, and if you desaturate by 10%, it is **B32631**.

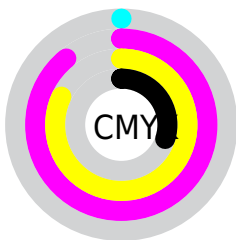
# Distribution



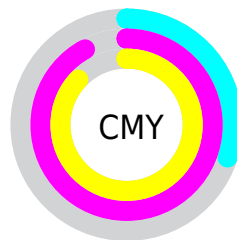
- Red (70%)
- Green (8%)
- Blue (13%)



- Red (70%)
- Yellow (8%)
- Blue (13%)



- Cyan (0%)
- Magenta (89%)
- Yellow (82%)
- Black (30%)



- Cyan (30%)
- Magenta (92%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B31420 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 B31420 by changing the saturation by 10% instead.



 B31420

 B31420

FFFFFF

 94000B

 F2564D

 750000

 FF7265

 560000

 FF8F7F

 3B0002

 FFAB99

 130000

 FFC8B4

 000000

 FFE5CF

 FFFFEC

 B31420

 B31420

 B3020F

 B32631

 B3000E

 B33841

 B34A52

 B35C62

 B36D73

 B37F83

 B39194

 B3A3A4

 B3B5B5

# Harmonies

## Analogous

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



B90058



B31420



964100

# Triad

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



B31420



006E1F



0060CE

# Complementary

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



B31420



14B3A7

# 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.



006DC0



B31420



00715D

# Square

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



B31420



2C6700



007197



5747BC

# Rectangle

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



B31420



7A5300



007197



0066CD



# Sweetspot

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



B31420



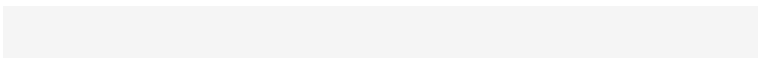
E8A9AE



A614B3



755053



F5F5F5



757575



# Same Dimension

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



B31420



E80012



B35614



595051



99000C



1A0002



# Inverse Universe

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



B31420



E80012



1471B3



595051



99000C



1A0002



# Previews

## White Background



This preview shows how the Hex color B31420 looks on a white background.

## Color Contrast Check

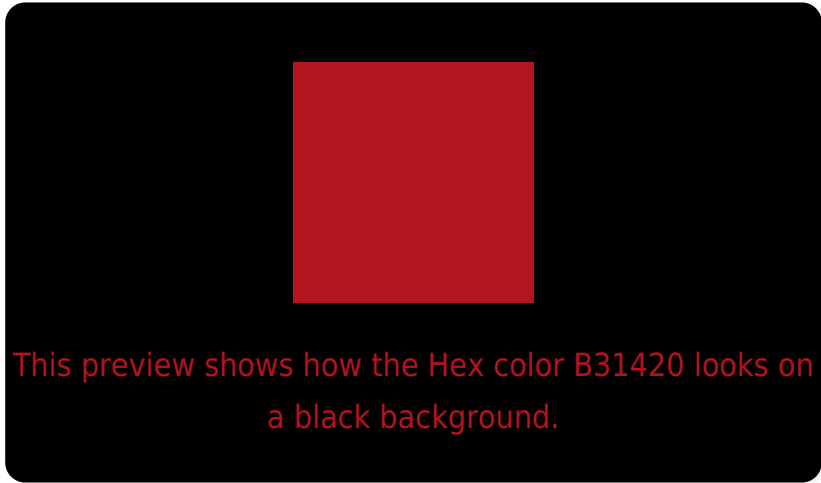
Large Text (above 18pt) WCAG AA ✓ Pass

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 B31420 Background



This preview shows how black text looks on a background with the Hex color B31420.



This preview shows how white text looks on a background with the Hex color B31420.

# 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**  
B31713

# Trichromacy



**Original Color**  
B31420

**Protanomaly**  
81422B

**Deuteranomaly**  
8B3F16

**Tritanomaly**  
B31618

# Monochromacy



**Original Color**  
B31420

**Achromatopsia**  
454545

**Achromatomaly**  
6D3338

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B31420 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 #B31420 looks like.

```
.text, #text, p{  
    color:#B31420  
}
```

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 #B31420 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B31420 } }
```

## Border

The CSS property to change the border of an element to Hex B31420 is called "border". The border property can be set on classes, ids or directly on the HTML element.

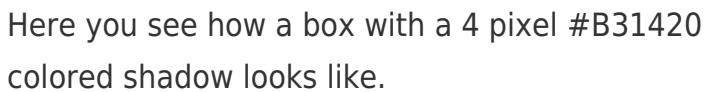
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid #B31420 } }
```

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

```
.border{ border-color:#B31420 }
```

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



Here you see how a box with a 4 pixel #B31420 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B31420; -webkit-box-shadow:4px 4px  
4px 4px #B31420; box-shadow:4px 4px 4px  
4px #B31420 }
```

# Background

The CSS property to change the background color of an element to Hex B31420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B31420 }
```

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

```
.background{ background-color:#B31420 }
```

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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