

# Converting Colors

Hex(B31240)

Have a look what the booklet for  
Hex(B31240) contains.

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# Color

**Hex(B31240)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B31240
RGB	179, 18, 64
RGB Percent	70%, 7%, 25%
CMY	0.2980, 0.9294, 0.7490
CMYK	0.00, 0.90, 0.64, 0.30
HSL	343°, 82%, 39%
HSV	343°, 90%, 70%
XYZ	19.7321, 10.3865, 5.8153
YIQ	71.3830, 81.1900, 48.4380

# Conversions

## Conversions Part 2

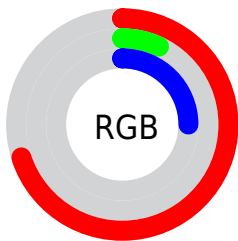
Format	Color
<a href="#">RYB</a>	<a href="#">179, 18, 64</a>
Decimal	<a href="#">11735616</a>
CIELab	<a href="#">38.53, 61.03, 18.69</a>
CIElCh	<a href="#">39, 63.829, 17.031</a>
Yxy	<a href="#">10.3865, 0.5491, 0.2890</a>
Android (android.graphics.Color)	<a href="#">4289925696</a> (0xFFB31240)
YUV	<a href="#">71.3830, -3.6398, 94.3801</a>
Hunter-Lab	<a href="#">32.2281, 52.8902, 11.8613</a>

# Details

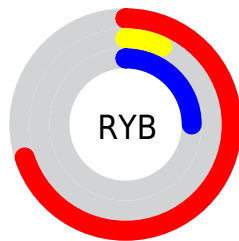
The Hex color **B31240** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **12B385**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **F1566F**, and **760017** is the 20% darker color. If you saturate the color by 10%, you get **B30033**, and if you desaturate by 10%, it is **B3244D**.

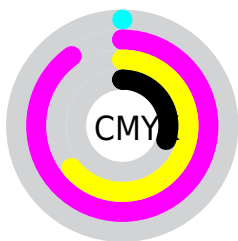
# Distribution



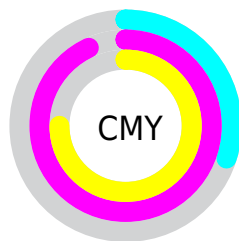
- Red (70%)
- Green (7%)
- Blue (25%)



- Red (70%)
- Yellow (7%)
- Blue (25%)



- Cyan (0%)
- Magenta (90%)
- Yellow (64%)
- Black (30%)



- Cyan (30%)
- Magenta (93%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B31240 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 B31240 by changing the saturation by 10% instead.



 B31240

 B31240

FFFFFF

 95002A

 F1566F

 760017

 FF7389

 590000

 FF8FA3

 3D0003

 FFACBE

 180001

 FFC8DA

 000000

 FFE6F6

 B31240

 B31240

 B30033

 B3244D

 B3365A

 B34866

 B35A73

 B36B80

 B37D8D

 B38F9A

 B3A1A6

 B3B3B3

# Harmonies

## Analogous

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



AA1773



B31240



A3350B

# Triad

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



B31240



006B01



0068C1

# Complementary

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



B31240



12B385

# 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.



006FA6



B31240



006F42

# Square

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



B31240



546100



007178



0057BF

# Rectangle

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



B31240



8E4800



007178



006BBB



# Sweetspot

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



B31240



E8A9BB



8312B3



75505A



F5F5F5



757575



# Same Dimension

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



B31240



E80042



B33212



595053



99002C



1A0007



# Inverse Universe

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



B31240



E80042



1293B3



595053



99002C



1A0007



# Previews

## White Background



This preview shows how the Hex color B31240 looks on a white background.

## Color Contrast Check

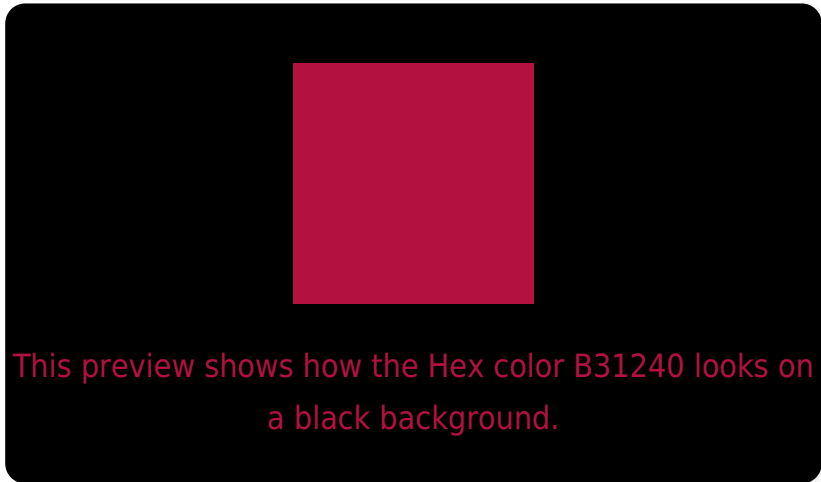
Large Text (above 18pt) WCAG AA ✓ Pass

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

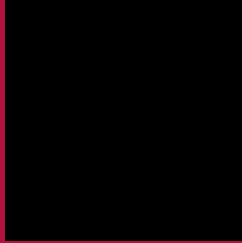
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex B31240 Background



This preview shows how black text looks on a background with the Hex color B31240.

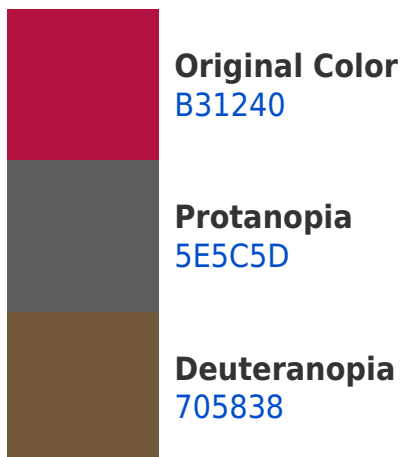


This preview shows how white text looks on a background with the Hex color B31240.

# 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





# Trichromacy



**Original Color**  
B31240

**Protanomaly**  
7D4152

**Deuteranomaly**  
883F3B

**Tritanomaly**  
B21A2A

# Monochromacy



**Original Color**  
B31240

**Achromatopsia**  
474747

**Achromatomaly**  
6E3444

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B31240 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 #B31240 looks like.

```
.text, #text, p{  
    color:#B31240  
}
```

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 #B31240 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B31240
}
```

## Border

The CSS property to change the border of an element to Hex B31240 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".

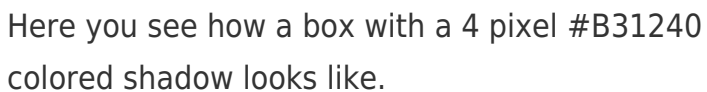
```
.border, #border, table{ border:4px solid
#B31240 }
```

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

```
.border{ border-color:#B31240 }
```

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

Here you see how a box with a 4 pixel #B31240 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B31240; -webkit-box-shadow:4px 4px  
4px 4px #B31240; box-shadow:4px 4px 4px  
4px #B31240 }
```

# Background

The CSS property to change the background color of an element to Hex B31240 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B31240 }
```

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

```
.background{ background-color:#B31240 }
```

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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