

# Converting Colors

Hex(B02D33)

Have a look what the booklet for  
Hex(B02D33) contains.

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# Color

Hex(**B02D33**)

# Conversions

## Conversions Part 1

Format	Color
Hex	B02D33
RGB	176, 45, 51
RGB Percent	69%, 18%, 20%
CMY	0.3098, 0.8235, 0.8000
CMYK	0.00, 0.74, 0.71, 0.31
HSL	357°, 59%, 43%
HSV	357°, 74%, 69%
XYZ	19.4404, 11.3459, 4.2973
YIQ	84.8530, 76.1500, 29.6380

# Conversions

## Conversions Part 2

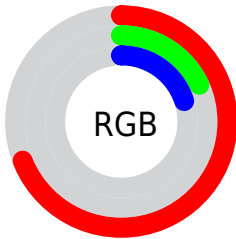
Format	Color
<b>RYB</b>	176, 45, 51
Decimal	11545907
CIELab	40.16, 52.54, 28.73
CIELCh	40, 59.880, 28.670
Yxy	11.3459, 0.5541, 0.3234
Android (android.graphics.Color)	4289735987 (0xFFB02D33)
YUV	84.8530, -16.6895, 79.9359
Hunter-Lab	33.6837, 44.0743, 16.0144

# Details

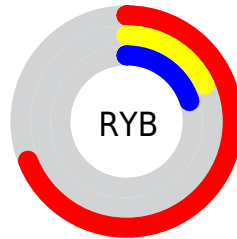
The Hex color **B02D33** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **2DB0AA**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **EE6562**, and **740007** is the 20% darker color. If you saturate the color by 10%, you get **B01B22**, and if you desaturate by 10%, it is **B03F44**.

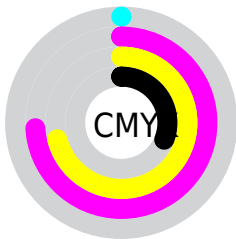
# Distribution



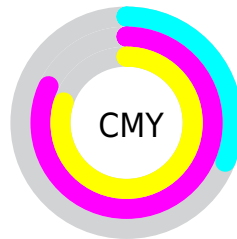
- Red (69%)
- Green (18%)
- Blue (20%)



- Red (69%)
- Yellow (18%)
- Blue (20%)



- Cyan (0%)
- Magenta (74%)
- Yellow (71%)
- Black (31%)



- Cyan (31%)
- Magenta (82%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B02D33 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 B02D33 by changing the saturation by 10% instead.



 B02D33

 B02D33

FFFFFF

 92061E

 EE6562

 740007

 FF807A

 560000

 FF9C94

 3C0002

 FFB8AF

 160000

 FFD5CA

 000000

 FFF2E7

 B02D33

 B02D33

 B01B22

 B03F44

 B00A11


 B05055

 B00008

 B06265

 B07376

 B08587

 B09798

 B0A8A9

 B0BAB9

 B0CBCA

# Harmonies

## Analogous

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



B12163



B02D33



9A4700

# Triad

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



B02D33



007027



0066C1

# Complementary

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



B02D33



2DB0AA

# 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.



0070B2



B02D33



00745B

# Square

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



B02D33



456900



00748D



5452B5

# Rectangle

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



B02D33



825600



00748D



006ABF



# Sweetspot

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



B02D33



E6B3B5



A92DB0



735556



F2F2F2



737373



# Same Dimension

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



B02D33



E61923



B0682D



595051



990007



1A0001



# Inverse Universe

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



B02D33



E61923



2D75B0



595051



990007



1A0001



# Previews

## White Background



This preview shows how the Hex color B02D33 looks on a white background.

## Color Contrast Check

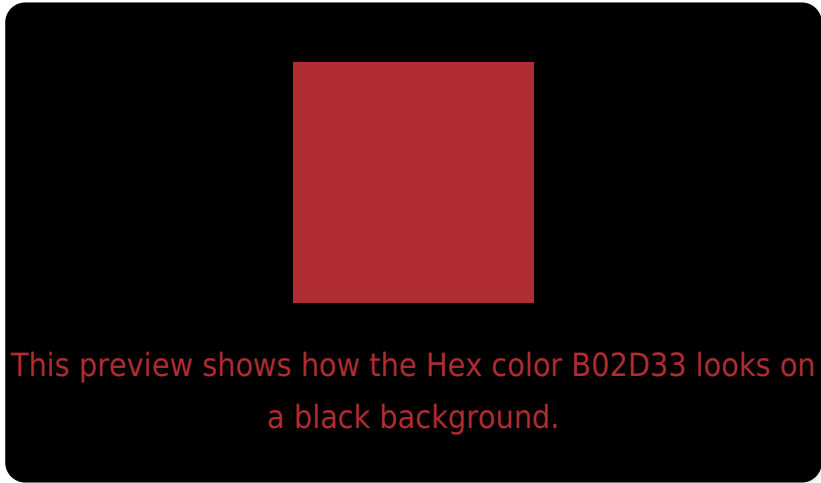
Large Text (above 18pt) WCAG AA ✓ Pass

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 B02D33 Background



This preview shows how black text looks on a background with the Hex color B02D33.

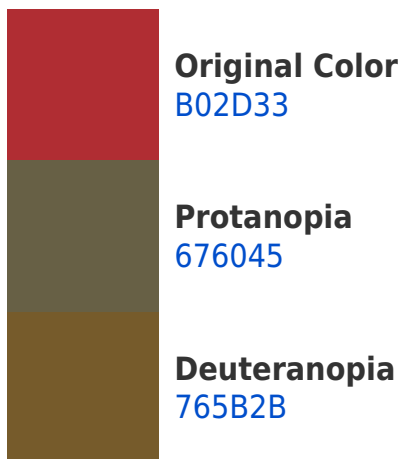


This preview shows how white text looks on a background with the Hex color B02D33.

# 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



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B02D33 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 #B02D33 looks like.

```
.text, #text, p{  
  color:#B02D33  
}
```

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 #B02D33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B02D33
}
```

## Border

The CSS property to change the border of an element to Hex B02D33 is called "border". The border property can be set on classes, ids or directly on the HTML element.

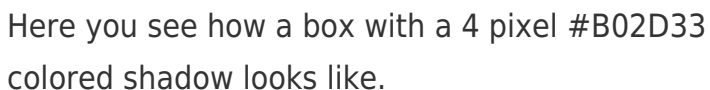
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B02D33 }
```

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

```
.border{ border-color:#B02D33 }
```

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



Here you see how a box with a 4 pixel #B02D33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B02D33; -webkit-box-shadow:4px 4px  
4px 4px #B02D33; box-shadow:4px 4px 4px  
4px #B02D33 }
```

# Background

The CSS property to change the background color of an element to Hex B02D33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B02D33 }
```

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

```
.background{ background-color:#B02D33 }
```

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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