

# Converting Colors

Hex(BD2C30)

Have a look what the booklet for  
Hex(BD2C30) contains.

<b>Hex(BD2C30)</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(BD2C30)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BD2C30
RGB	189, 44, 48
RGB Percent	74%, 17%, 19%
CMY	0.2588, 0.8275, 0.8118
CMYK	0.00, 0.77, 0.75, 0.26
HSL	358°, 62%, 46%
HSV	358°, 77%, 74%
XYZ	22.4204, 12.8336, 4.0917
YIQ	87.8110, 85.1360, 31.9840

# Conversions

## Conversions Part 2

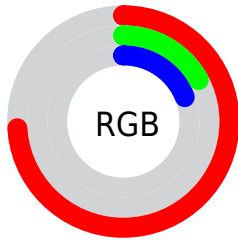
<b>Format</b>	<b>Color</b>
<b>RYB</b>	189, 44, 48
Decimal	12397616
CIELab	42.51, 56.73, 33.89
CIElCh	43, 66.086, 30.853
Yxy	12.8336, 0.5698, 0.3262
Android (android.graphics.Color)	4290587696 (0xFFBD2C30)
YUV	87.8110, -19.6268, 88.7428
Hunter-Lab	35.8240, 49.0223, 18.3048

# Details

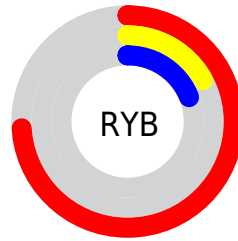
The Hex color **BD2C30** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **2CBDB9**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **FC665F**, and **800003** is the 20% darker color. If you saturate the color by 10%, you get **BD191E**, and if you desaturate by 10%, it is **BD3F42**.

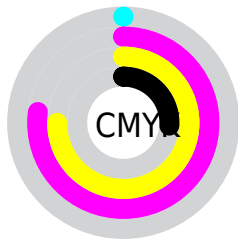
# Distribution



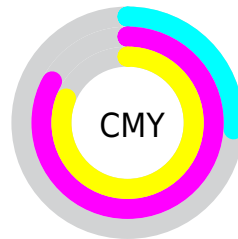
- Red (74%)
- Green (17%)
- Blue (19%)



- Red (74%)
- Yellow (17%)
- Blue (19%)



- Cyan (0%)
- Magenta (77%)
- Yellow (75%)
- Black (26%)



- Cyan (26%)
- Magenta (83%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BD2C30 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 BD2C30 by changing the saturation by 10% instead.



 BD2C30

 BD2C30

FFFFFF

 9E001B

 FC665F

 800003

 FF8277

 610000

 FF9E91

 440002

 FFBAAC

 260001

 FFD7C7

 000000

 FFF5E3

 BD2C30

 BD2C30

 BD191E

 BD3F42

 BD060B

 BD5255

 BD0005

 BD6567

 BD787A

 BD8B8C

 BD9D9E

 BDB0B1

 BDC3C3

 BDD6D5

# Harmonies

## Analogous

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



C01765



BD2C30



A34C00

# Triad

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



BD2C30



00782A



006BD3

# Complementary

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



BD2C30



2CBDB9

# 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.



0077C4



BD2C30



007B64

# Square

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



BD2C30



417100



007B9B



5F55C3

# Rectangle

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



BD2C30



885C00



007B9B



0070D1



# Sweetspot

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



BD2C30



F5BCBE



B82CBD



7A5859



FAFAFA



7A7A7A



# Same Dimension

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



BD2C30



F5141A



BD702C



5E5555



9E0004



1F0001



# Inverse Universe

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



BD2C30



F5141A



2C79BD



5E5555



9E0004



1F0001



# Previews

## White Background



This preview shows how the Hex color BD2C30 looks on a white background.

## Color Contrast Check

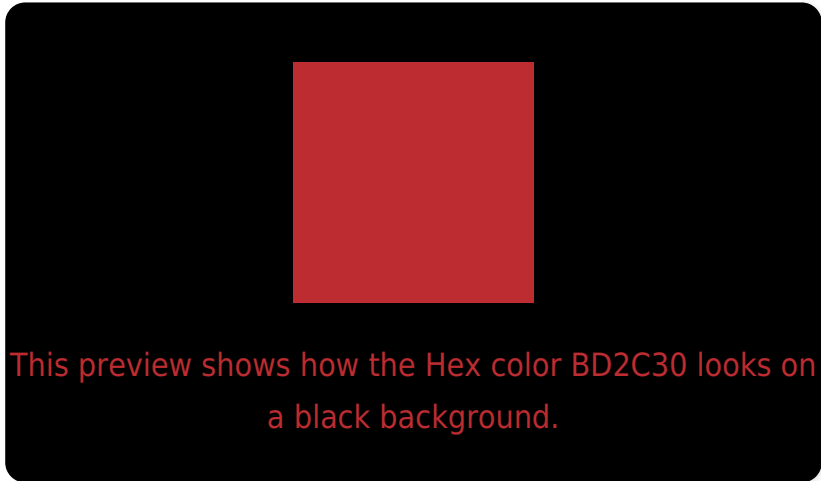
Large Text (above 18pt) WCAG AA ✓ Pass

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 BD2C30 Background



This preview shows how black text looks on a background with the Hex color BD2C30.

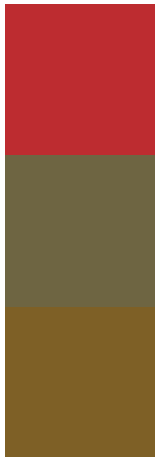


This preview shows how white text looks on a background with the Hex color BD2C30.

# 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**  
BD2C30

**Protanopia**  
6E6542

**Deuteranopia**  
7E6026



# Trichromacy



**Original Color**  
BD2C30

**Protanomaly**  
8B503B

**Deuteranomaly**  
954D2A

**Tritanomaly**  
BD2C2E

# Monochromacy



**Original Color**  
BD2C30

**Achromatopsia**  
585858

**Achromatomaly**  
7D4849

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BD2C30 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 #BD2C30 looks like.

```
.text, #text, p{  
    color:#BD2C30  
}
```

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 #BD2C30 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BD2C30
}
```

## Border

The CSS property to change the border of an element to Hex BD2C30 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".

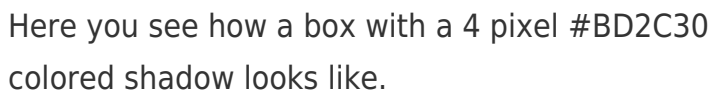
```
.border, #border, table{ border:4px solid
#BD2C30 }
```

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

```
.border{ border-color:#BD2C30 }
```

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

Here you see how a box with a 4 pixel #BD2C30 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BD2C30; -webkit-box-shadow:4px 4px  
4px 4px #BD2C30; box-shadow:4px 4px 4px  
4px #BD2C30 }
```

# Background

The CSS property to change the background color of an element to Hex BD2C30 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BD2C30 }
```

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

```
.background{ background-color:#BD2C30 }
```

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