

# Converting Colors

Hex(BD2D37)

Have a look what the booklet for  
Hex(BD2D37) contains.

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# Color

Hex(BD2D37)

# Conversions

## Conversions Part 1

Format	Color
Hex	BD2D37
RGB	189, 45, 55
RGB Percent	74%, 18%, 22%
CMY	0.2588, 0.8235, 0.7843
CMYK	0.00, 0.76, 0.71, 0.26
HSL	356°, 62%, 46%
HSV	356°, 76%, 74%
XYZ	22.6142, 12.9714, 4.9263
YIQ	89.1960, 82.6140, 33.6380

# Conversions

## Conversions Part 2

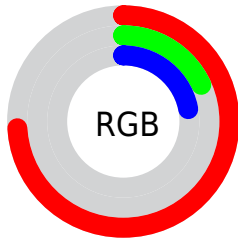
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">189, 45, 55</a>
Decimal	<a href="#">12397879</a>
CIELab	<a href="#">42.72, 56.72, 29.98</a>
CIElCh	<a href="#">43, 64.155, 27.855</a>
Yxy	<a href="#">12.9714, 0.5582, 0.3202</a>
Android (android.graphics.Color)	<a href="#">4290587959</a> ( <a href="#">0xFFBD2D37</a> )
YUV	<a href="#">89.1960, -16.8586, 87.5281</a>
Hunter-Lab	<a href="#">36.0159, 49.0518, 17.1014</a>

# Details

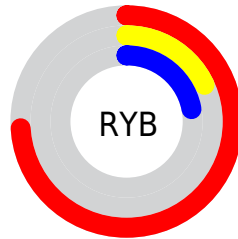
The Hex color **BD2D37** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **2DBDB3**, and the grayscale version is **595959**.

A 20% lighter version of the original color is **FC6766**, and **80000D** is the 20% darker color. If you saturate the color by 10%, you get **BD1A25**, and if you desaturate by 10%, it is **BD4049**.

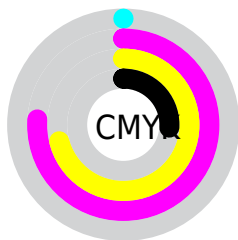
# Distribution



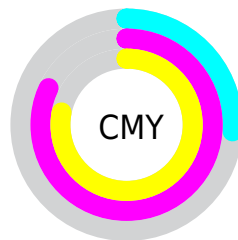
- Red (74%)
- Green (18%)
- Blue (22%)



- Red (74%)
- Yellow (18%)
- Blue (22%)



- Cyan (0%)
- Magenta (76%)
- Yellow (71%)
- Black (26%)



- Cyan (26%)
- Magenta (82%)
- Yellow (78%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BD2D37 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 BD2D37 by changing the saturation by 10% instead.



 BD2D37

 BD2D37

FFFFFF

 9E0022

 FC6766

 80000D

 FF837F

 620000

 FF9F99

 450002

 FFBBB4

 270001

 FFD8CF

 000000

 FFF6EC

 BD2D37

 BD2D37

 BD1A25

 BD4049

 BD0714

 BD535A

 BD000D

 BD666C

 BD797D

 BD8C8F

 BD9EA1

 BDB1B2

 BDC4C4

 BDD7D5

# Harmonies

## Analogous

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



BD206B



BD2D37



A54A00

# Triad

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



BD2D37



007827



006DD0

# Complementary

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



BD2D37



2DBDB3

# 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.



0078BF



BD2D37



007B5F

# Square

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



BD2D37



4A7000



007C95



5658C4

# Rectangle

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



BD2D37



8C5B00



007C95



0072CD



# Sweetspot

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



BD2D37



F5BCC0



B12DBD



7A585B



FAFAFA



7A7A7A



# Same Dimension

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



BD2D37



F51626



BD692D



5E5556



9E000B



1F0002



# Inverse Universe

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



BD2D37



F51626



2D81BD



5E5556



9E000B



1F0002



# Previews

## White Background



This preview shows how the Hex color BD2D37 looks on a white background.

## Color Contrast Check

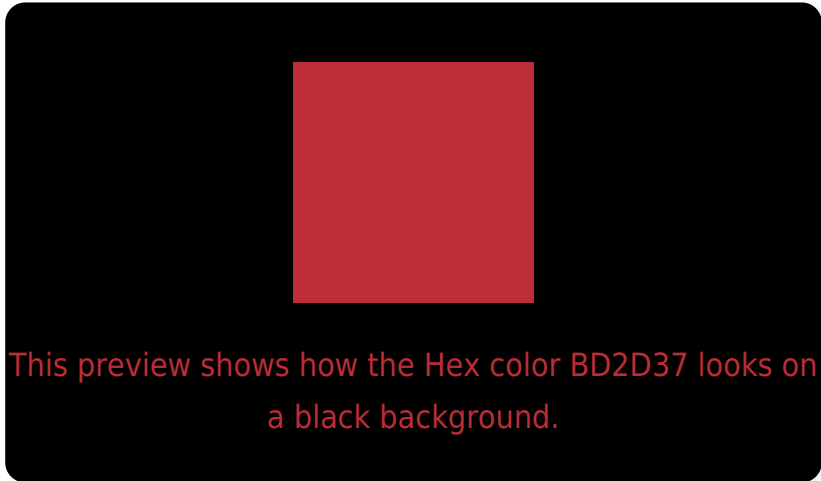
Large Text (above 18pt) WCAG AA ✓ Pass

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 BD2D37 Background



This preview shows how black text looks on a background with the Hex color BD2D37.



This preview shows how white text looks on a background with the Hex color BD2D37.

# 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**  
BD2D37

**Protanopia**  
6D664B

**Deuteranopia**  
7E612F



# Trichromacy



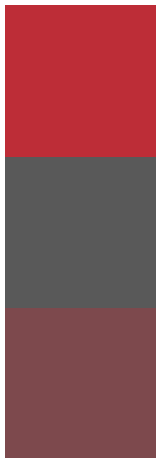
**Original Color**  
BD2D37

**Protanomaly**  
8A5144

**Deuteranomaly**  
954E32

**Tritanomaly**  
BD2E33

# Monochromacy



**Original Color**  
BD2D37

**Achromatopsia**  
595959

**Achromatomaly**  
7D494D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BD2D37 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 #BD2D37 looks like.

```
.text, #text, p{  
    color:#BD2D37  
}
```

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 #BD2D37 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BD2D37
}
```

## Border

The CSS property to change the border of an element to Hex BD2D37 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
#BD2D37 }
```

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

```
.border{ border-color:#BD2D37 }
```

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

Here you see how a box with a 4 pixel #BD2D37 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BD2D37; -webkit-box-shadow:4px 4px  
4px 4px #BD2D37; box-shadow:4px 4px 4px  
4px #BD2D37 }
```

# Background

The CSS property to change the background color of an element to Hex BD2D37 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BD2D37 }
```

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

```
.background{ background-color:#BD2D37 }
```

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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