

# Converting Colors

Hex(BB3745)

Have a look what the booklet for  
Hex(BB3745) contains.

<b>Hex(BB3745)</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(BB3745)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB3745
RGB	187, 55, 69
RGB Percent	73%, 22%, 27%
CMY	0.2667, 0.7843, 0.7294
CMYK	0.00, 0.71, 0.63, 0.27
HSL	354°, 55%, 47%
HSV	354°, 71%, 73%
XYZ	22.9339, 13.7268, 7.0710
YIQ	96.0640, 74.1780, 32.3380

# Conversions

## Conversions Part 2

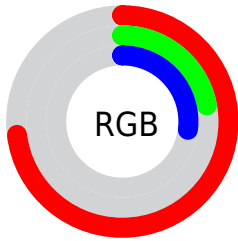
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	187, 55, 69
Decimal	12269381
CIE <sub>Lab</sub>	43.84, 53.35, 22.78
CIE <sub>LCh</sub>	44, 58.013, 23.120
Yxy	13.7268, 0.5244, 0.3139
Android (android.graphics.Color)	4290459461 (0xFFBB3745)
YUV	96.0640, -13.3426, 79.7509
Hunter-Lab	37.0498, 45.6548, 14.6192

# Details

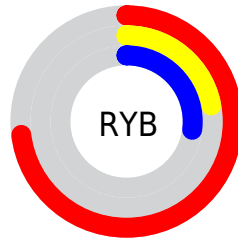
The Hex color **BB3745** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **37BBAD**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **F96F75**, and **7F001A** is the 20% darker color. If you saturate the color by 10%, you get **BB2434**, and if you desaturate by 10%, it is **BB4A56**.

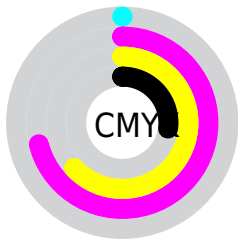
# Distribution



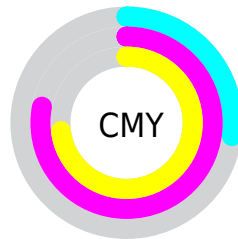
- Red (73%)
- Green (22%)
- Blue (27%)



- Red (73%)
- Yellow (22%)
- Blue (27%)



- Cyan (0%)
- Magenta (71%)
- Yellow (63%)
- Black (27%)



- Cyan (27%)
- Magenta (78%)
- Yellow (73%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BB3745 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 BB3745 by changing the saturation by 10% instead.



 BB3745

 BB3745

FFFFFF

 9D162F

 F96F75

 7F001A

 FF8A8F

 620000

 FFA6A9

 450001

 FFC2C4

 280001

 FFDFE0

 000000

 FFFDFD

 BB3745

 BB3745

 BB2434

 BB4A56

 BB1224

 BB5C66

 BB0014

 BB6F77

 BB8288

 BB9599

 BBA7A9

 BBBABA

 BBCDCB

 BBDFDB

# Harmonies

## Analogous

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



B73375



BB3745



A94D18

# Triad

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



BB3745



027929



0071C8

# Complementary

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



BB3745



37BBAD

# 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.



007AB4



BB3745



007C5B

# Square

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



BB3745



597000



007D8C



4D60C1

# Rectangle

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



BB3745



935B00



007D8C



0075C4



# Sweetspot

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



BB3745



F2BFC5



AC37BB



7A5C5F



F9FAFA



7A7A7A



# Same Dimension

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



BB3745



F2243A



BB6A37



5E5556



9E0011



1F0003



# Inverse Universe

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



BB3745



F2243A



3788BB



5E5556



9E0011



1F0003



# Previews

## White Background



This preview shows how the Hex color BB3745 looks on a white background.

## Color Contrast Check

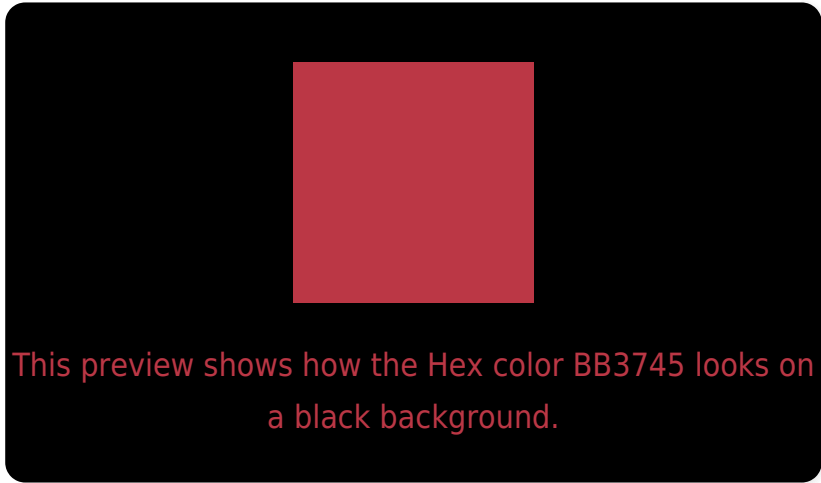
Large Text (above 18pt) WCAG AA ✓ Pass

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

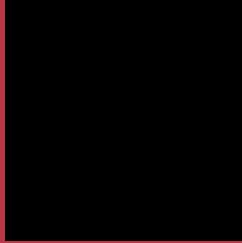
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex BB3745 Background



This preview shows how black text looks on a background with the Hex color BB3745.



This preview shows how white text looks on a background with the Hex color BB3745.

# 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**  
BB3745

**Protanopia**  
6E685A

**Deuteranopia**  
7F643E



# Trichromacy



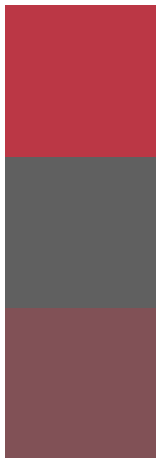
**Original Color**  
BB3745

**Protanomaly**  
8A5652

**Deuteranomaly**  
955441

**Tritanomaly**  
BB383F

# Monochromacy



**Original Color**  
BB3745

**Achromatopsia**  
606060

**Achromatomaly**  
815156

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BB3745 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 #BB3745 looks like.

```
.text, #text, p{  
    color:#BB3745  
}
```

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 #BB3745 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB3745
}
```

## Border

The CSS property to change the border of an element to Hex BB3745 is called "border". The border property can be set on classes, ids or directly on the HTML element.

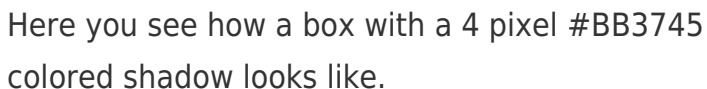
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#BB3745 }
```

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

```
.border{ border-color:#BB3745 }
```

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



Here you see how a box with a 4 pixel #BB3745 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB3745; -webkit-box-shadow:4px 4px  
4px 4px #BB3745; box-shadow:4px 4px 4px  
4px #BB3745 }
```

# Background

The CSS property to change the background color of an element to Hex BB3745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB3745 }
```

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

```
.background{ background-color:#BB3745 }
```

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