

# Converting Colors

Hex(731B37)

Have a look what the booklet for  
Hex(731B37) contains.

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**Color**

**Hex(731B37)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	731B37
RGB	115, 27, 55
RGB Percent	45%, 11%, 22%
CMY	0.5490, 0.8941, 0.7843
CMYK	0.00, 0.77, 0.52, 0.55
HSL	341°, 62%, 28%
HSV	341°, 77%, 45%
XYZ	8.1518, 4.7045, 4.0929
YIQ	56.5040, 43.4600, 27.3640

# Conversions

## Conversions Part 2

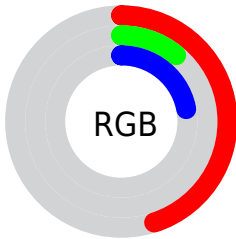
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 27, 55
Decimal	7543607
CIE Lab	25.88, 40.00, 5.20
CIE LCh	26, 40.337, 7.412
Yxy	4.7045, 0.4810, 0.2776
Android (android.graphics.Color)	4285733687 (0xFF731B37)
YUV	56.5040, -0.7415, 51.3010
Hunter-Lab	21.6899, 29.1284, 3.9951

# Details

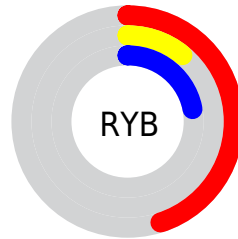
The Hex color **731B37** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **1B7357**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **AB4F66**, and **3E000B** is the 20% darker color. If you saturate the color by 10%, you get **73102F**, and if you desaturate by 10%, it is **73273F**.

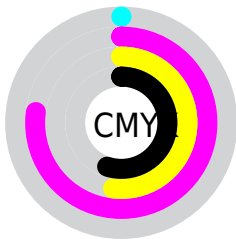
# Distribution



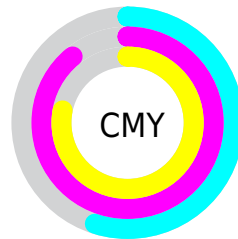
- Red (45%)
- Green (11%)
- Blue (22%)



- Red (45%)
- Yellow (11%)
- Blue (22%)



- Cyan (0%)
- Magenta (77%)
- Yellow (52%)
- Black (55%)



- Cyan (55%)
- Magenta (89%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 731B37 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 731B37 by changing the saturation by 10% instead.



 731B37

 731B37

FFFFFF

 580022

 AB4F66

 3E000B

 C8697E

 240001

 E58398

 000000

 FF9EB3

 FFBACF

 FFD6EB

 FFF3FF

 731B37

 731B37

■ 73102F

■ 73273F

■ 730427

■ 733247

■ 730025

■ 733E4F

■ 734956

■ 73555E

■ 736066

■ 736C6E

■ 737776

■ 73837E

# Harmonies

## Analogous

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



672255



731B37



6E251A

# Triad

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



731B37



234604



004776

# Complementary

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



731B37



1B7357

# 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.



004A62



731B37



004A24

# Square

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



731B37



453E00



004B44



003F7A

# Rectangle

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



731B37



642E06



004B44



004871



# Sweetspot

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



731B37



96747F



561B73



4D373E



CCCCCC



4D4D4D



# Same Dimension

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



731B37



960C38



732A1B



3B3537



7A0027



FA0050



# Inverse Universe

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



731B37



960C38



1B6473



3B3537



7A0027

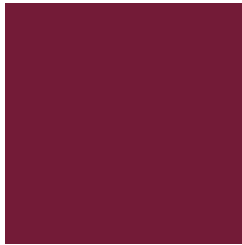


FA0050



# Previews

## White Background



This preview shows how the Hex color 731B37 looks on a white background.

## Color Contrast Check

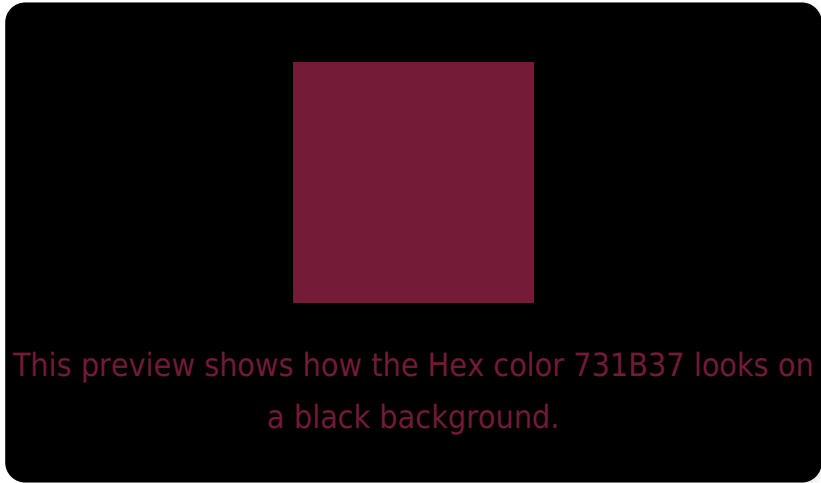
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 731B37 Background



This preview shows how black text looks on a background with the Hex color 731B37.



This preview shows how white text looks on a background with the Hex color 731B37.

# 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**  
731B37

**Protanopia**  
3D3E4A

**Deuteranopia**  
493C33



# Trichromacy



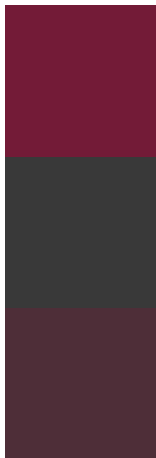
**Original Color**  
731B37

**Protanomaly**  
513143

**Deuteranomaly**  
583034

**Tritanomaly**  
721E2A

# Monochromacy



**Original Color**  
731B37

**Achromatopsia**  
393939

**Achromatomaly**  
4E2E38

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 731B37 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 #731B37 looks like.

```
.text, #text, p{  
    color:#731B37  
}
```

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 #731B37 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #731B37  
}
```

## Border

The CSS property to change the border of an element to Hex 731B37 is called "border". The border property can be set on classes, ids or directly on the HTML element.

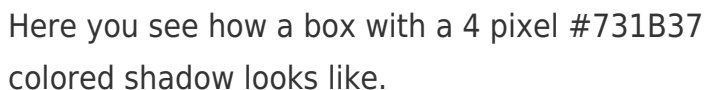
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#731B37 }
```

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

```
.border{ border-color:#731B37 }
```

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



Here you see how a box with a 4 pixel #731B37 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #731B37; -webkit-box-shadow:4px 4px  
4px 4px #731B37; box-shadow:4px 4px 4px  
4px #731B37 }
```

# Background

The CSS property to change the background color of an element to Hex 731B37 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#731B37 }
```

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

```
.background{ background-color:#731B37 }
```

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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