

# Converting Colors

Hex(733021)

Have a look what the booklet for  
Hex(733021) contains.

<b>Hex(733021)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(733021)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	733021
RGB	115, 48, 33
RGB Percent	45%, 19%, 13%
CMY	0.5490, 0.8118, 0.8706
CMYK	0.00, 0.58, 0.71, 0.55
HSL	11°, 55%, 29%
HSV	11°, 71%, 45%
XYZ	8.4017, 5.8685, 2.1288
YIQ	66.3230, 44.7470, 9.5390

# Conversions

## Conversions Part 2

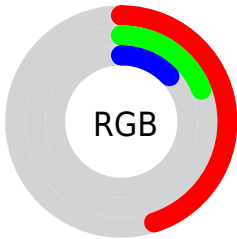
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	115, 51, 33
Decimal	7548961
CIE <sub>Lab</sub>	29.08, 28.43, 23.84
CIE <sub>LCh</sub>	29, 37.102, 39.987
Yxy	5.8685, 0.5123, 0.3579
Android (android.graphics.Color)	4285739041 (0xFF733021)
YUV	66.3230, -16.4282, 42.6897
Hunter-Lab	24.2251, 19.5131, 11.7475

# Details

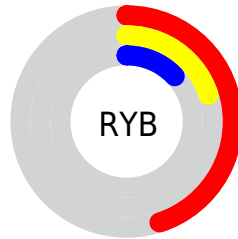
The Hex color **733021** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **216473**, and the grayscale version is **424242**.

A 20% lighter version of the original color is **AB604E**, and **3D0100** is the 20% darker color. If you saturate the color by 10%, you get **732716**, and if you desaturate by 10%, it is **73392D**.

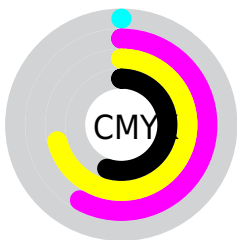
# Distribution



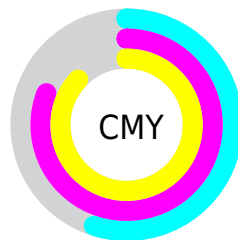
- Red (45%)
- Green (19%)
- Blue (13%)



- Red (45%)
- Yellow (20%)
- Blue (13%)



- Cyan (0%)
- Magenta (58%)
- Yellow (71%)
- Black (55%)



- Cyan (55%)
- Magenta (81%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 733021 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 733021 by changing the saturation by 10% instead.



 733021

 733021

FFFFFF

 58190B

 AB604E

 3D0100

 C87A66

 260001

 E6947F

 000000

 FFAF99

 FFCBB4

 FFE7CF

 FFFFEC

 733021

 733021

■ 732716

■ 73392D

■ 731D0A

■ 734338

■ 731500

■ 734C44

■ 73564F

■ 735F5B

■ 736866

■ 737272

■ 737B7D

■ 738589

# Harmonies

## Analogous

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



78283C



733021



623C0A

# Triad

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



733021



005130



16457D

# Complementary

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



733021



216473

# 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.



004D7A



733021



00524E

# Square

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



733021



2B4D15



005169



523971

# Rectangle

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



733021



534303



005169



00487E



# Sweetspot

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



733021



967D77



732165



4D3D39



CCCCCC



4D4D4D



# Same Dimension

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



733021



962D15



735821



3B3635



7A1600



FA2E00



# Inverse Universe

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



216473



157F96



213C73



353A3B



00647A

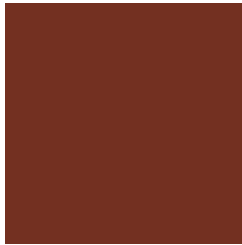


00CCFA



# Previews

## White Background



This preview shows how the Hex color 733021 looks on a white background.

## Color Contrast Check

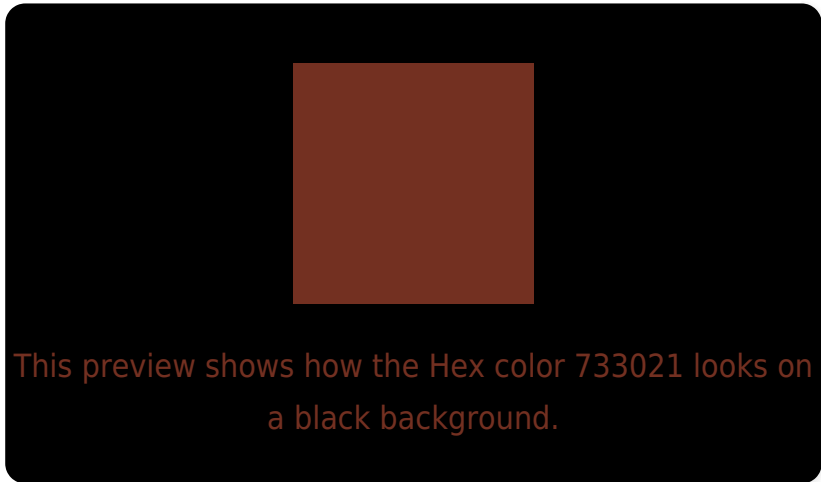
Large Text (above 18pt) WCAG AA ✓ Pass

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 733021 Background



This preview shows how black text looks on a background with the Hex color 733021.

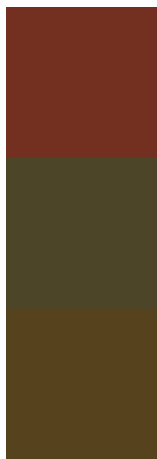


This preview shows how white text looks on a background with the Hex color 733021.

# 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**  
733021

**Protanopia**  
4C4528

**Deuteranopia**  
56421D



**Tritanopia**  
742E31

# Trichromacy



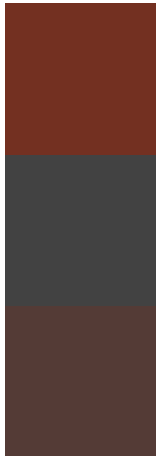
**Original Color**  
733021

**Protanomaly**  
5A3D25

**Deuteranomaly**  
613B1E

**Tritanomaly**  
742F2B

# Monochromacy



**Original Color**  
733021

**Achromatopsia**  
424242

**Achromatomaly**  
543B36

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 733021 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 #733021 looks like.

```
.text, #text, p{  
    color:#733021  
}
```

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 #733021 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #733021
}
```

## Border

The CSS property to change the border of an element to Hex 733021 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
#733021 }
```

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

```
.border{ border-color:#733021 }
```

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

Here you see how a box with a 4 pixel #733021 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #733021; -webkit-box-shadow:4px 4px  
4px 4px #733021; box-shadow:4px 4px 4px  
4px #733021 }
```

# Background

The CSS property to change the background color of an element to Hex 733021 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#733021 }
```

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

```
.background{ background-color:#733021 }
```

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