

# Converting Colors

Hex(70331B)

Have a look what the booklet for  
Hex(70331B) contains.

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**Color**

**Hex(70331B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70331B
RGB	112, 51, 27
RGB Percent	44%, 20%, 11%
CMY	0.5608, 0.8000, 0.8941
CMYK	0.00, 0.54, 0.76, 0.56
HSL	17°, 61%, 27%
HSV	17°, 76%, 44%
XYZ	8.0637, 5.8915, 1.7491
YIQ	66.5030, 44.0600, 5.4680

# Conversions

## Conversions Part 2

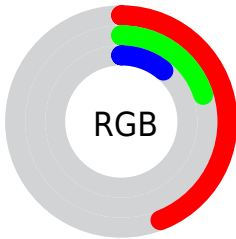
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	112, 60, 27
Decimal	7353115
CIE Lab	29.14, 25.15, 27.36
CIE LCh	29, 37.160, 47.413
Yxy	5.8915, 0.5135, 0.3752
Android (android.graphics.Color)	4285543195 (0xFF70331B)
YUV	66.5030, -19.4750, 39.9009
Hunter-Lab	24.2725, 16.8241, 12.7183

# Details

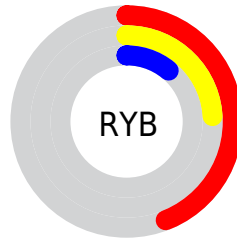
The Hex color **70331B** is a dark color, and the websafe version is hex **663300**. A complement of this color would be **1B5870**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **A86348**, and **3A0500** is the 20% darker color. If you saturate the color by 10%, you get **702B10**, and if you desaturate by 10%, it is **703B26**.

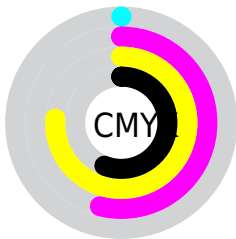
# Distribution



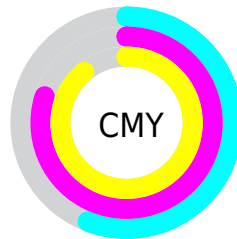
- Red (44%)
- Green (20%)
- Blue (11%)



- Red (44%)
- Yellow (24%)
- Blue (11%)



- Cyan (0%)
- Magenta (54%)
- Yellow (76%)
- Black (56%)



- Cyan (56%)
- Magenta (80%)
- Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 70331B 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 70331B by changing the saturation by 10% instead.



 70331B

 70331B

FFFFFF

 551C03

 A86348

 3A0500

 C57C60

 230001

 E29679

 000000

 FFB193

 FFCDAD

 FFE9C9

 FFFF E5

 70331B

 70331B

■ 702B10

■ 703B26

■ 702305

■ 704331

■ 702000

■ 704B3D

■ 705348

■ 705B53

■ 70635E

■ 706B69

■ 707375

■ 707B80

# Harmonies

## Analogous

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



782935



70331B



5D3F06

# Triad

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



70331B



005137



2C427C

# Complementary

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



70331B



1B5870

# 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.



004B7D



70331B



005255

# Square

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



70331B



204E1B



00516F



5B356C

# Rectangle

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



70331B



4C4603



00516F



08467E



# Sweetspot

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



70331B



917970



701B59



4A3B35



C9C9C9



4A4A4A



# Same Dimension

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



70331B



91320D



705C1B



383432



782200



F74600



# Inverse Universe

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



1B5870



0D6C91



1B2F70



323738



005678



00B2F7



# Previews

## White Background



This preview shows how the Hex color 70331B looks on a white background.

## Color Contrast Check

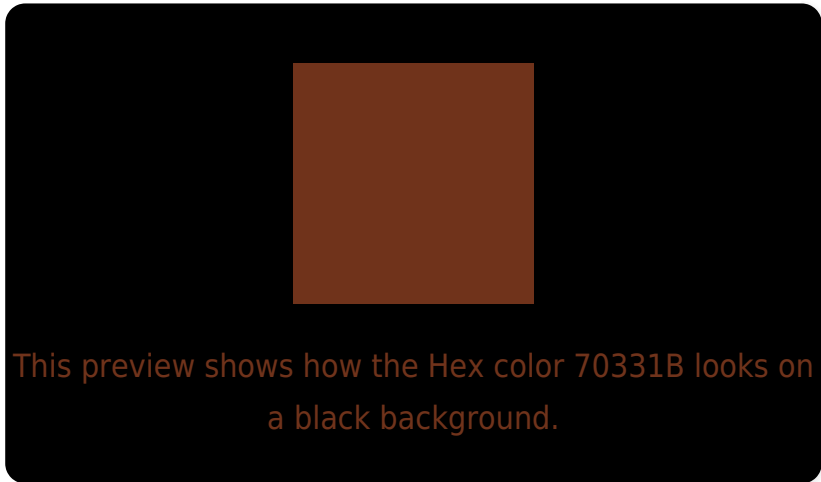
Large Text (above 18pt) WCAG AA ✓ Pass

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 70331B Background



This preview shows how black text looks on a background with the Hex color 70331B.



This preview shows how white text looks on a background with the Hex color 70331B.

# 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**  
70331B

**Protanopia**  
4D4620

**Deuteranopia**  
574217



**Tritanopia**  
713033

# Trichromacy



**Original Color**  
70331B

**Protanomaly**  
5A3F1E

**Deuteranomaly**  
603D18

**Tritanomaly**  
71312A

# Monochromacy



**Original Color**  
70331B

**Achromatopsia**  
434343

**Achromatomaly**  
533D34

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 70331B 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 #70331B looks like.

```
.text, #text, p{  
    color:#70331B  
}
```

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 #70331B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #70331B
}
```

## Border

The CSS property to change the border of an element to Hex 70331B is called "border". The border property can be set on classes, ids or directly on the HTML element.

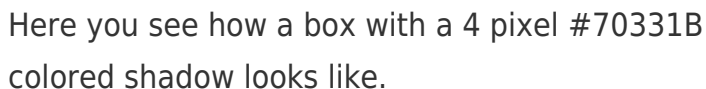
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#70331B }
```

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

```
.border{ border-color:#70331B }
```

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



Here you see how a box with a 4 pixel #70331B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #70331B; -webkit-box-shadow:4px 4px  
4px 4px #70331B; box-shadow:4px 4px 4px  
4px #70331B }
```

# Background

The CSS property to change the background color of an element to Hex 70331B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#70331B }
```

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

```
.background{ background-color:#70331B }
```

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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