

# Converting Colors

Hex(7B2234)

Have a look what the booklet for  
Hex(7B2234) contains.

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**Color**

**Hex(7B2234)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7B2234
RGB	123, 34, 52
RGB Percent	48%, 13%, 20%
CMY	0.5176, 0.8667, 0.7961
CMYK	0.00, 0.72, 0.58, 0.52
HSL	348°, 57%, 31%
HSV	348°, 72%, 48%
XYZ	9.3602, 5.6029, 3.8369
YIQ	62.6630, 47.2660, 24.4660

# Conversions

## Conversions Part 2

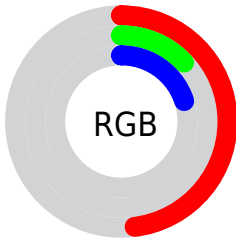
Format	Color
<a href="#">RYB</a>	<a href="#">123, 34, 52</a>
Decimal	<a href="#">8069684</a>
CIELab	<a href="#">28.39, 39.57, 10.96</a>
CIELCh	<a href="#">28, 41.061, 15.482</a>
Yxy	<a href="#">5.6029, 0.4979, 0.2980</a>
Android (android.graphics.Color)	<a href="#">4286259764 (0xFF7B2234)</a>
YUV	<a href="#">62.6630, -5.2569, 52.9155</a>
Hunter-Lab	<a href="#">23.6705, 29.1623, 6.9586</a>

# Details

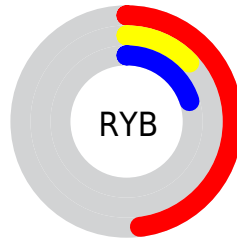
The Hex color **7B2234** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **227B69**, and the grayscale version is **3F3F3F**.

A 20% lighter version of the original color is **B45562**, and **450007** is the 20% darker color. If you saturate the color by 10%, you get **7B162A**, and if you desaturate by 10%, it is **7B2E3E**.

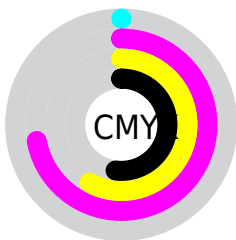
# Distribution



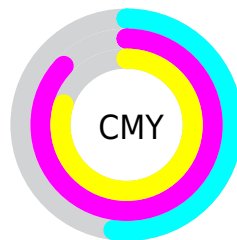
- Red (48%)
- Green (13%)
- Blue (20%)



- Red (48%)
- Yellow (13%)
- Blue (20%)



- Cyan (0%)
- Magenta (72%)
- Yellow (58%)
- Black (52%)



- Cyan (52%)
- Magenta (87%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B2234 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 7B2234 by changing the saturation by 10% instead.



 7B2234

 7B2234

FFFFFF

 5F021F

 B45562

 450007

 D16F7B

 2D0001

 EF8A95

 000000

 FFA5AF

 FFC0CB

 FFDDE7

 FFFAFF

 7B2234

 7B2234

 7B162A

 7B2E3E

 7B0920

 7B3B48

 7B0019

 7B4751

 7B535B

 7B6065

 7B6C6F

 7B7879

 7B8482

 7B918C

# Harmonies

## Analogous

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



742454



7B2234



722E16

# Triad

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



7B2234



1C4D12



004B80

# Complementary

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



7B2234



227B69

# 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.



005070



7B2234



005032

# Square

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



7B2234



424700



005153



1C4180

# Rectangle

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



7B2234



663703



005153



004D7D



# Sweetspot

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



7B2234



A17D84



68227B



523C41



D1D1D1



525252



# Same Dimension

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



7B2234



A11531



7B3B22



3D3738



7D0019



FC0033



# Inverse Universe

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



7B2234



A11531



22627B



3D3738



7D0019

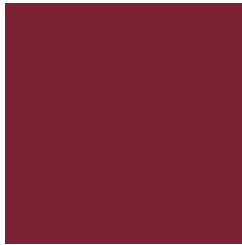


FC0033



# Previews

## White Background



This preview shows how the Hex color 7B2234 looks on a white background.

## Color Contrast Check

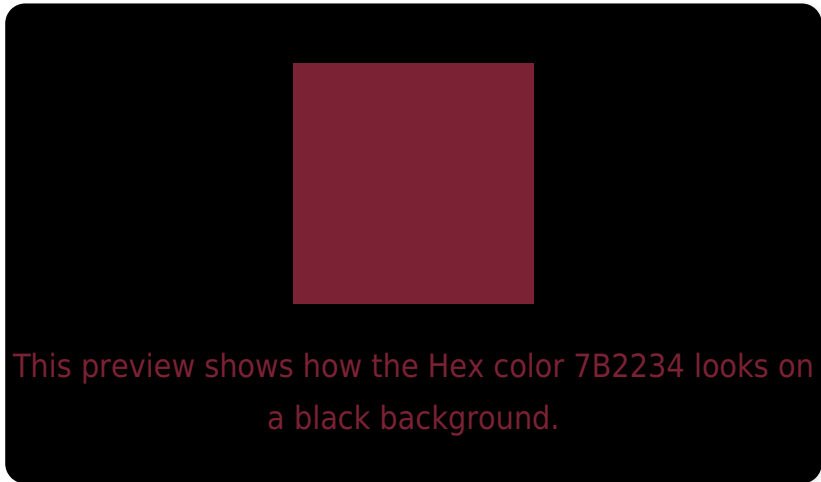
Large Text (above 18pt) WCAG AA ✓ Pass

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

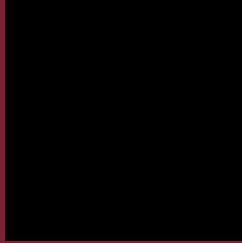
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7B2234 Background



This preview shows how black text looks on a background with the Hex color 7B2234.



This preview shows how white text looks on a background with the Hex color 7B2234.

# 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**  
7B2234

**Protanopia**  
464444

**Deuteranopia**  
514130



# Trichromacy



**Original Color**  
7B2234

**Protanomaly**  
59383E

**Deuteranomaly**  
603631

**Tritanomaly**  
7A242C

# Monochromacy



**Original Color**  
7B2234

**Achromatopsia**  
3F3F3F

**Achromatomaly**  
55343B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B2234 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 #7B2234 looks like.

```
.text, #text, p{  
    color:#7B2234  
}
```

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 #7B2234 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B2234
}
```

## Border

The CSS property to change the border of an element to Hex 7B2234 is called "border". The border property can be set on classes, ids or directly on the HTML element.

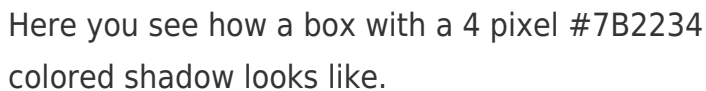
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#7B2234 }
```

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

```
.border{ border-color:#7B2234 }
```

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



Here you see how a box with a 4 pixel #7B2234 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B2234; -webkit-box-shadow:4px 4px  
4px 4px #7B2234; box-shadow:4px 4px 4px  
4px #7B2234 }
```

# Background

The CSS property to change the background color of an element to Hex 7B2234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B2234 }
```

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

```
.background{ background-color:#7B2234 }
```

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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