

# Converting Colors

Hex(7C2437)

Have a look what the booklet for  
Hex(7C2437) contains.

<b>Hex(7C2437)</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(7C2437)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7C2437
RGB	124, 36, 55
RGB Percent	49%, 14%, 22%
CMY	0.5137, 0.8588, 0.7843
CMYK	0.00, 0.71, 0.56, 0.51
HSL	347°, 55%, 31%
HSV	347°, 71%, 49%
XYZ	9.6326, 5.8227, 4.2306
YIQ	64.4780, 46.3490, 24.5650

# Conversions

## Conversions Part 2

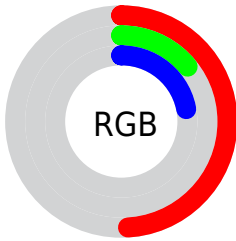
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	124, 36, 55
Decimal	8135735
CIE <sub>Lab</sub>	28.96, 39.32, 9.78
CIE <sub>LCh</sub>	29, 40.518, 13.965
Yxy	5.8227, 0.4893, 0.2958
Android (android.graphics.Color)	4286325815 (0xFF7C2437)
YUV	64.4780, -4.6727, 52.2008
Hunter-Lab	24.1302, 29.0283, 6.4962

# Details

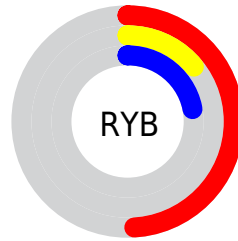
The Hex color **7C2437** is a dark color, and the websafe version is hex **660033**. A complement of this color would be **247C69**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **B55766**, and **46000B** is the 20% darker color. If you saturate the color by 10%, you get **7C182D**, and if you desaturate by 10%, it is **7C3041**.

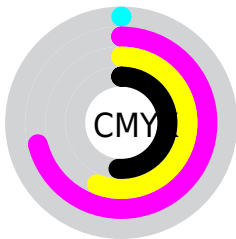
# Distribution



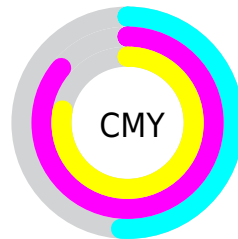
- Red (49%)
- Green (14%)
- Blue (22%)



- Red (49%)
- Yellow (14%)
- Blue (22%)



- Cyan (0%)
- Magenta (71%)
- Yellow (56%)
- Black (51%)



- Cyan (51%)
- Magenta (86%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7C2437 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 7C2437 by changing the saturation by 10% instead.



 7C2437

 7C2437

FFFFFF

 600522

 B55766

 46000B

 D2717E

 2E0002

 EF8B98

 000000

 FFA7B3

 FFC2CF

 FFD FEB

 FFFCFF

 7C2437

 7C2437

 7C182D

 7C3041

 7C0B24

 7C3D4A

 7C001B

 7C4954

 7C565E

 7C6268

 7C6E71

 7C7B7B

 7C8785

 7C948F

# Harmonies

## Analogous

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



742756



7C2437



742F1A

# Triad

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



7C2437



214E13



004D81

# Complementary

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



7C2437



247C69

# 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.



00516F



7C2437



005232

# Square

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



7C2437



454700



005352



1A4381

# Rectangle

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



7C2437



683807



005352



004F7C



# Sweetspot

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



7C2437



A17F86



69247C



523D42



D1D1D1



525252



# Same Dimension

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



7C2437



A11836



7C3D24



3D3738



7D001B



FC0037



# Inverse Universe

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



7C2437



A11836



24637C



3D3738



7D001B

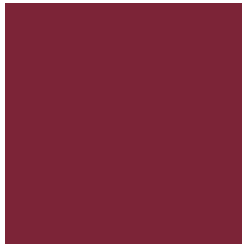


FC0037



# Previews

## White Background



This preview shows how the Hex color 7C2437 looks on a white background.

## Color Contrast Check

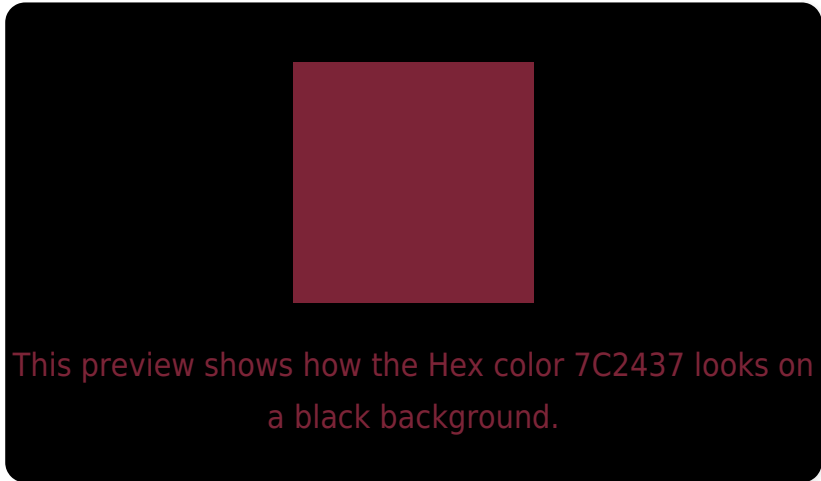
Large Text (above 18pt) WCAG AA ✓ Pass

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

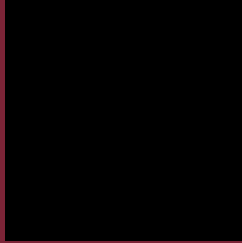
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7C2437 Background



This preview shows how black text looks on a background with the Hex color 7C2437.

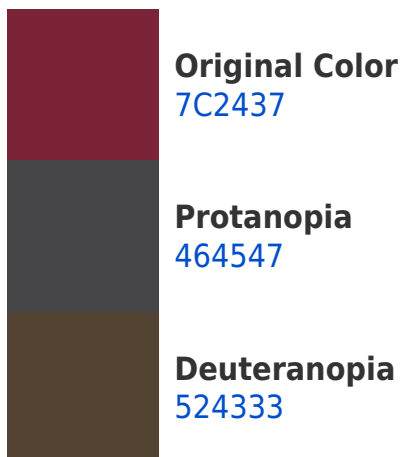



This preview shows how white text looks on a background with the Hex color 7C2437.

# 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





**Tritanopia**  
7B2729

# Trichromacy



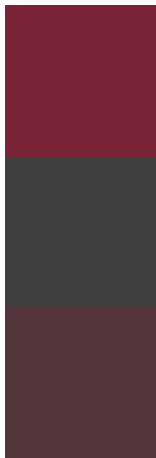
**Original Color**  
7C2437

**Protanomaly**  
5A3941

**Deuteranomaly**  
613834

**Tritanomaly**  
7B262E

# Monochromacy



**Original Color**  
7C2437

**Achromatopsia**  
404040

**Achromatomaly**  
56363D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7C2437 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 #7C2437 looks like.

```
.text, #text, p{  
    color:#7C2437  
}
```

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 #7C2437 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7C2437
}
```

## Border

The CSS property to change the border of an element to Hex 7C2437 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
#7C2437 }
```

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

```
.border{ border-color:#7C2437 }
```

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

Here you see how a box with a 4 pixel #7C2437 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7C2437; -webkit-box-shadow:4px 4px  
4px 4px #7C2437; box-shadow:4px 4px 4px  
4px #7C2437 }
```

# Background

The CSS property to change the background color of an element to Hex 7C2437 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7C2437 }
```

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

```
.background{ background-color:#7C2437 }
```

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