

# Converting Colors

Hex(742D3A)

Have a look what the booklet for  
Hex(742D3A) contains.

<b>Hex(742D3A)</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(742D3A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	742D3A
RGB	116, 45, 58
RGB Percent	45%, 18%, 23%
CMY	0.5451, 0.8235, 0.7725
CMYK	0.00, 0.61, 0.50, 0.55
HSL	349°, 44%, 32%
HSV	349°, 61%, 45%
XYZ	8.9046, 5.8953, 4.6716
YIQ	67.7110, 38.1430, 19.0950

# Conversions

## Conversions Part 2

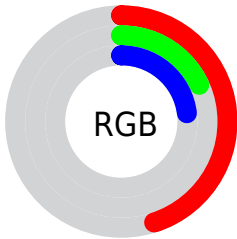
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 45, 58
Decimal	7613754
CIE <sub>Lab</sub>	29.15, 32.49, 7.82
CIE <sub>LCh</sub>	29, 33.419, 13.538
Yxy	5.8953, 0.4573, 0.3028
Android (android.graphics.Color)	4285803834 (0xFF742D3A)
YUV	67.7110, -4.7875, 42.3495
Hunter-Lab	24.2802, 22.9732, 5.5886

# Details

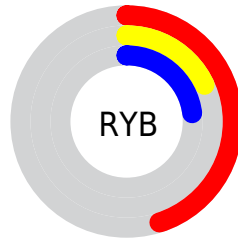
The Hex color **742D3A** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **2D7467**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **AB5E69**, and **3F0010** is the 20% darker color. If you saturate the color by 10%, you get **742131**, and if you desaturate by 10%, it is **743943**.

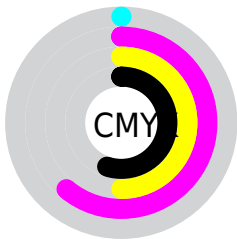
# Distribution



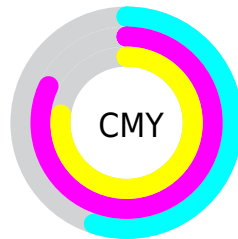
- Red (45%)
- Green (18%)
- Blue (23%)



- Red (45%)
- Yellow (18%)
- Blue (23%)



- Cyan (0%)
- Magenta (61%)
- Yellow (50%)
- Black (55%)



- Cyan (55%)
- Magenta (82%)
- Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 742D3A 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 742D3A by changing the saturation by 10% instead.



 742D3A

 742D3A

FFFFFF

 591425

 AB5E69

 3F0010

 C87882

 2A0001

 E5929C

 000000

 FFADB7

 FFC9D2

 FFE5EF

 742D3A

 742D3A

 742131

 743943

 741627

 74444D

 740A1E

 745056

 740015

 745B60

 746769

 747373

 747E7C

 748A86

 74958F

# Harmonies

## Analogous

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



6C2F54



742D3A



6E3422

# Triad

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



742D3A



2A4D1D



004C76

# Complementary

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



742D3A



2D7467

# 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.



005068



742D3A



005035

# Square

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



742D3A



47470D



005150



294477

# Rectangle

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



742D3A



643B15



005150



004D73



# Sweetspot

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



742D3A



967B80



672D74



4D3C3F



CCCCCC



4D4D4D



# Same Dimension

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



742D3A



96293D



74432D



3B3536



7A0016



FA002E



# Inverse Universe

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



742D3A



96293D



2D5E74



3B3536



7A0016

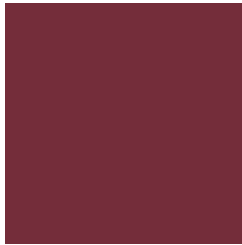


FA002E



# Previews

## White Background



This preview shows how the Hex color 742D3A looks on a white background.

## Color Contrast Check

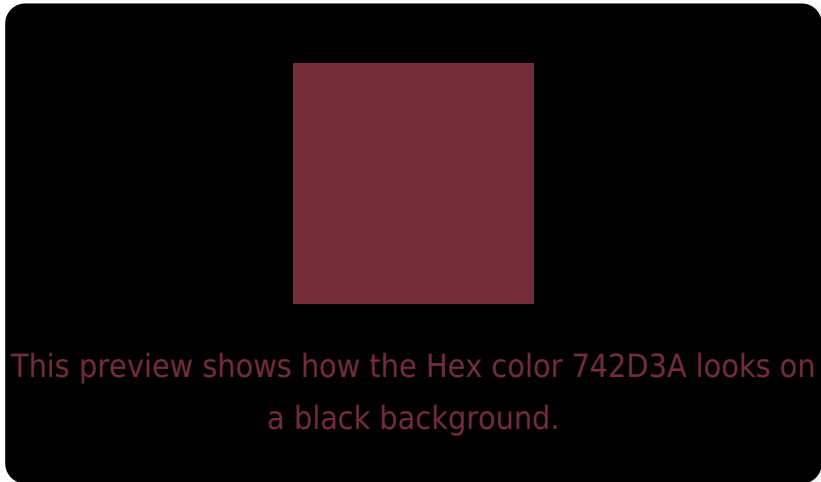
Large Text (above 18pt) WCAG AA ✓ Pass

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

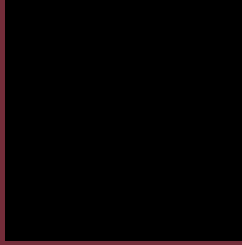
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 742D3A Background



This preview shows how black text looks on a background with the Hex color 742D3A.



This preview shows how white text looks on a background with the Hex color 742D3A.

# 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**

742D3A

**Protanopia**

474547

**Deuteranopia**

514337



**Tritanopia**  
732F32

# Trichromacy



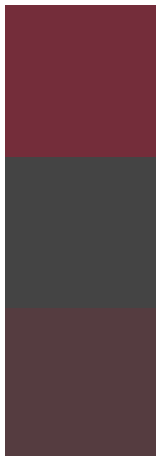
**Original Color**  
742D3A

**Protanomaly**  
573C42

**Deuteranomaly**  
5E3B38

**Tritanomaly**  
732E35

# Monochromacy



**Original Color**  
742D3A

**Achromatopsia**  
444444

**Achromatomaly**  
553C40

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 742D3A 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 #742D3A looks like.

```
.text, #text, p{  
    color:#742D3A  
}
```

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 #742D3A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #742D3A
}
```

## Border

The CSS property to change the border of an element to Hex 742D3A is called "border". The border property can be set on classes, ids or directly on the HTML element.

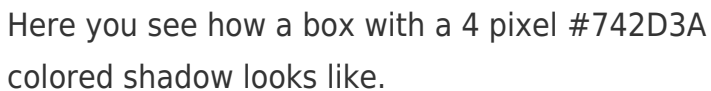
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#742D3A }
```

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

```
.border{ border-color:#742D3A }
```

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



Here you see how a box with a 4 pixel #742D3A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #742D3A; -webkit-box-shadow:4px 4px  
4px 4px #742D3A; box-shadow:4px 4px 4px  
4px #742D3A }
```

# Background

The CSS property to change the background color of an element to Hex 742D3A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#742D3A }
```

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

```
.background{ background-color:#742D3A }
```

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