

# Converting Colors

Hex(712D24)

Have a look what the booklet for  
Hex(712D24) contains.

<b>Hex(712D24)</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(712D24)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	712D24
RGB	113, 45, 36
RGB Percent	44%, 18%, 14%
CMY	0.5569, 0.8235, 0.8588
CMYK	0.00, 0.60, 0.68, 0.56
HSL	7°, 52%, 29%
HSV	7°, 68%, 44%
XYZ	8.0669, 5.5149, 2.3084
YIQ	64.3060, 43.4170, 11.6170

# Conversions

## Conversions Part 2

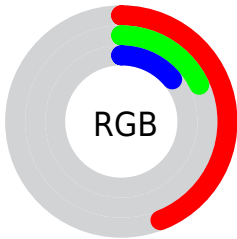
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	113, 46, 36
Decimal	7417124
CIE <sub>Lab</sub>	28.15, 29.41, 20.77
CIE <sub>LCh</sub>	28, 36.009, 35.233
Yxy	5.5149, 0.5077, 0.3471
Android (android.graphics.Color)	4285607204 (0xFF712D24)
YUV	64.3060, -13.9549, 42.7046
Hunter-Lab	23.4837, 20.2198, 10.6106

# Details

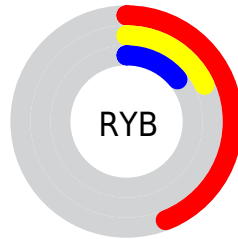
The Hex color **712D24** is a dark color, and the websafe version is hex **663333**. A complement of this color would be **246871**, and the grayscale version is **404040**.

A 20% lighter version of the original color is **A95D51**, and **3C0000** is the 20% darker color. If you saturate the color by 10%, you get **712319**, and if you desaturate by 10%, it is **71372F**.

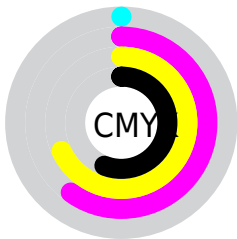
# Distribution



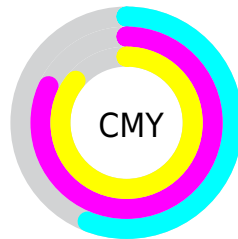
- Red (44%)
- Green (18%)
- Blue (14%)



- Red (44%)
- Yellow (18%)
- Blue (14%)



- Cyan (0%)
- Magenta (60%)
- Yellow (68%)
- Black (56%)



- Cyan (56%)
- Magenta (82%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 712D24 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 712D24 by changing the saturation by 10% instead.



 712D24

 712D24

FFFFFF

 56150F

 A95D51

 3C0000

 C67769

 230001

 E39182


 000000


 FFAC9C

 FFC7B7

 FFE4D3

 FFFFEF

 712D24

 712D24

■ 712319

■ 71372F

■ 71190D

■ 71413B

■ 710F02

■ 714B46

■ 710D00

■ 715551

■ 715F5D

■ 716968

■ 717373

■ 717D7E

■ 71878A

# Harmonies

## Analogous

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



74273F



712D24



62380D

# Triad

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



712D24



004E2A



00447A

# Complementary

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



712D24



246871

# 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.



004B75



712D24



004F47

# Square

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



712D24



2F4A11



004F62



493970

# Rectangle

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



712D24



544004



004F62



00477A



# Sweetspot

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



712D24



947A76



712468



4A3A38



C9C9C9



4A4A4A



# Same Dimension

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



712D24



94291B



715324



383332



780E00



F71D00



# Inverse Universe

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



246871



1B8694



244271



323738



006A78



00DAF7



# Previews

## White Background



This preview shows how the Hex color 712D24 looks on a white background.

## Color Contrast Check

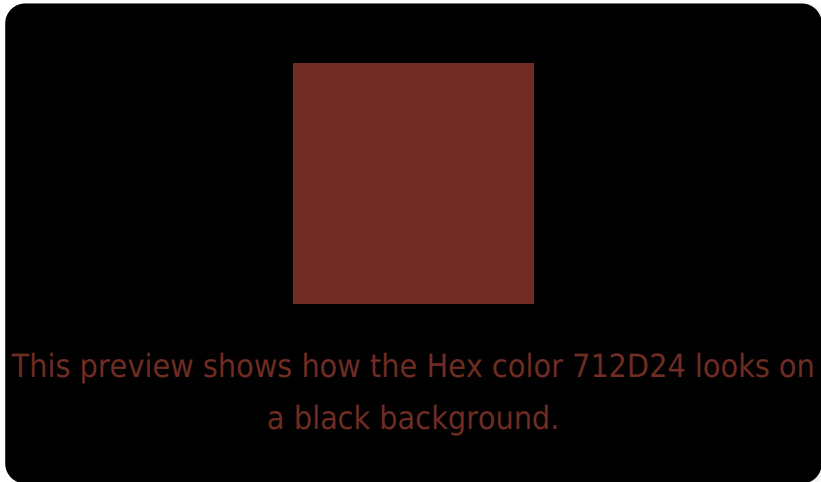
Large Text (above 18pt) WCAG AA ✓ Pass

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

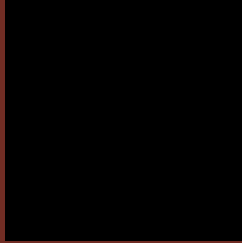
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 712D24 Background



This preview shows how black text looks on a background with the Hex color 712D24.

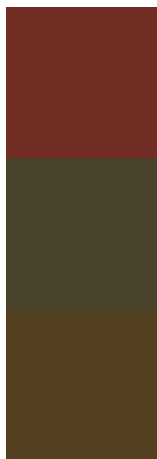


This preview shows how white text looks on a background with the Hex color 712D24.

# 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**  
712D24

**Protanopia**  
4932C

**Deuteranopia**  
534020



# Trichromacy



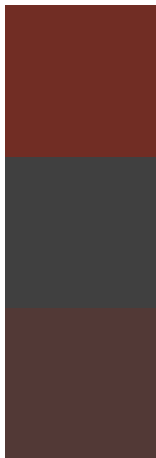
**Original Color**  
712D24

**Protanomaly**  
583B29

**Deuteranomaly**  
5E3921

**Tritanomaly**  
712C2A

# Monochromacy



**Original Color**  
712D24

**Achromatopsia**  
404040

**Achromatomaly**  
523936

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 712D24 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 #712D24 looks like.

```
.text, #text, p{  
    color:#712D24  
}
```

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 #712D24 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #712D24
}
```

## Border

The CSS property to change the border of an element to Hex 712D24 is called "border". The border property can be set on classes, ids or directly on the HTML element.

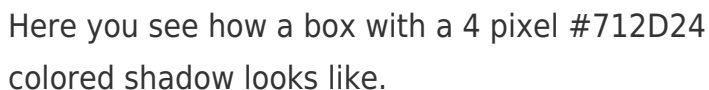
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#712D24 }
```

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

```
.border{ border-color:#712D24 }
```

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



Here you see how a box with a 4 pixel #712D24 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #712D24; -webkit-box-shadow:4px 4px  
4px 4px #712D24; box-shadow:4px 4px 4px  
4px #712D24 }
```

# Background

The CSS property to change the background color of an element to Hex 712D24 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#712D24 }
```

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

```
.background{ background-color:#712D24 }
```

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