

# Converting Colors

Hex(712A72)

Have a look what the booklet for  
Hex(712A72) contains.

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**Color**

**Hex(712A72)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	712A72
RGB	113, 42, 114
RGB Percent	44%, 16%, 45%
CMY	0.5569, 0.8353, 0.5529
CMYK	0.01, 0.63, 0.00, 0.55
HSL	299°, 46%, 31%
HSV	299°, 63%, 45%
XYZ	10.6753, 6.3815, 16.5887
YIQ	71.4370, 19.2040, 37.4440

# Conversions

## Conversions Part 2

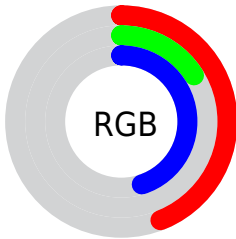
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	113, 42, 114
Decimal	7416434
CIE <sub>Lab</sub>	30.36, 41.43, -26.90
CIE <sub>LCh</sub>	30, 49.397, 327.011
Yxy	6.3815, 0.3173, 0.1897
Android (android.graphics.Color)	4285606514 (0xFF712A72)
YUV	71.4370, 20.9836, 36.4508
Hunter-Lab	25.2617, 31.2238, -21.2510

# Details

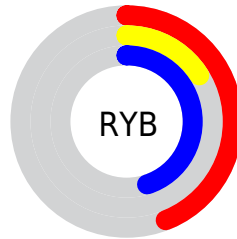
The Hex color **712A72** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **2B722A**, and the grayscale version is **474747**.

A 20% lighter version of the original color is **A75DA6**, and **3E0041** is the 20% darker color. If you saturate the color by 10%, you get **711F72**, and if you desaturate by 10%, it is **713572**.

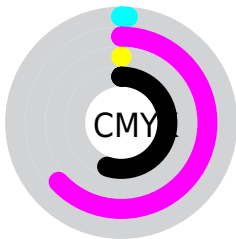
# Distribution



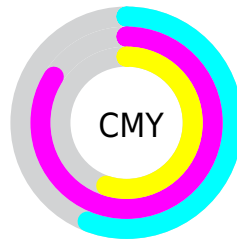
- Red (44%)
- Green (16%)
- Blue (45%)



- Red (44%)
- Yellow (16%)
- Blue (45%)



- Cyan (1%)
- Magenta (63%)
- Yellow (0%)
- Black (55%)



- Cyan (56%)
- Magenta (84%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 712A72 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 712A72 by changing the saturation by 10% instead.



712A72

712A72

FFFFFF

570E59

A75DA6

3E0041

C376C2

29002B

DF91DE

000115

FDACFA

000000

FFC8FF


FFE5FF

712A72

712A72

711F72

713572

 711372

 714172

 710872

 714C72

 700072

 725872

 726372

 726E72

 727A72

 728572

 729172

# Harmonies

## Analogous

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



3B3F8D



712A72



88184D

# Triad

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



712A72



5B4500



00586A

# Complementary

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



712A72



2B722A

# 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.



005842



712A72



364F00

# Square

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



712A72



773400



00551A



005588

# Rectangle

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



712A72



8A1A34



00551A



00585D



# Sweetspot

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



712A72



947894



2A2B72



4A394A



C9C9C9



4A4A4A



# Same Dimension

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



712A72



922394



722A4F



383238



760078



F400F7



# Inverse Universe

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



722A2B



942325



2A724D



383233



780002

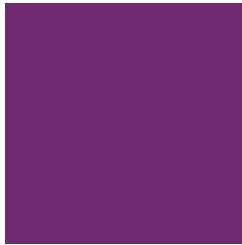


F70003



# Previews

## White Background



This preview shows how the Hex color 712A72 looks on a white background.

## Color Contrast Check

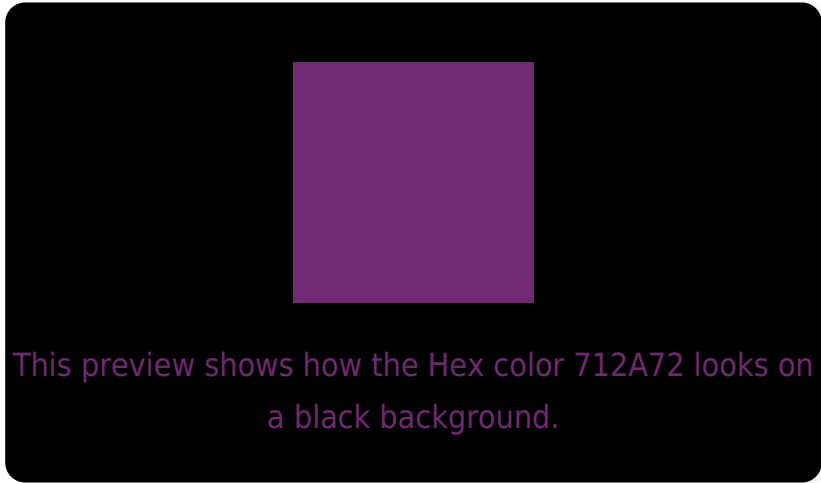
Large Text (above 18pt) WCAG AA ✓ Pass

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

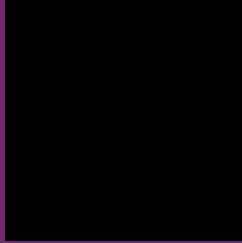
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 712A72 Background



This preview shows how black text looks on a background with the Hex color 712A72.



This preview shows how white text looks on a background with the Hex color 712A72.

# 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**  
712A72

**Protanopia**  
1F468C

**Deuteranopia**  
37486D



**Tritanopia**  
6B393E

# Trichromacy



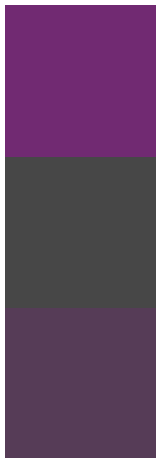
**Original Color**  
712A72

**Protanomaly**  
3D3C83

**Deuteranomaly**  
4C3D6F

**Tritanomaly**  
6D3451

# Monochromacy



**Original Color**  
712A72

**Achromatopsia**  
474747

**Achromatomaly**  
563C57

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 712A72 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 #712A72 looks like.

```
.text, #text, p{  
    color:#712A72  
}
```

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 #712A72 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #712A72  
}
```

## Border

The CSS property to change the border of an element to Hex 712A72 is called "border". The border property can be set on classes, ids or directly on the HTML element.

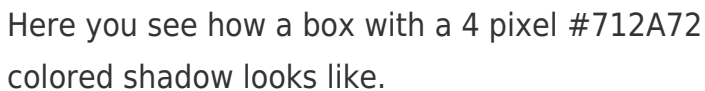
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#712A72 }
```

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

```
.border{ border-color:#712A72 }
```

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



Here you see how a box with a 4 pixel #712A72 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #712A72; -webkit-box-shadow:4px 4px  
4px 4px #712A72; box-shadow:4px 4px 4px  
4px #712A72 }
```

# Background

The CSS property to change the background color of an element to Hex 712A72 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#712A72 }
```

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

```
.background{ background-color:#712A72 }
```

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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