

# Converting Colors

Hex(702C96)

Have a look what the booklet for  
Hex(702C96) contains.

<b>Hex(702C96)</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> .....	28

# Color

**Hex(702C96)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	702C96
RGB	112, 44, 150
RGB Percent	44%, 17%, 59%
CMY	0.5608, 0.8275, 0.4118
CMYK	0.25, 0.71, 0.00, 0.41
HSL	278°, 55%, 38%
HSV	278°, 71%, 59%
XYZ	13.0878, 7.4481, 29.6020
YIQ	76.4160, 6.5020, 47.3820

# Conversions

## Conversions Part 2

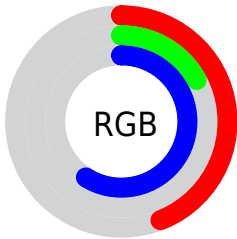
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	112, 44, 150
Decimal	7351446
CIE Lab	32.81, 47.82, -45.42
CIE LCh	33, 65.952, 316.479
Yxy	7.4481, 0.2610, 0.1486
Android (android.graphics.Color)	4285541526 (0xFF702C96)
YUV	76.4160, 36.2769, 31.2072
Hunter-Lab	27.2912, 37.8418, -45.2062

# Details

The Hex color **702C96** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **52962C**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **A75FCD**, and **3B0062** is the 20% darker color. If you saturate the color by 10%, you get **6B1D96**, and if you desaturate by 10%, it is **753B96**.

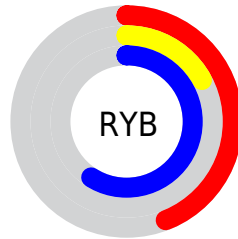
# Distribution



Red (44%)

Green (17%)

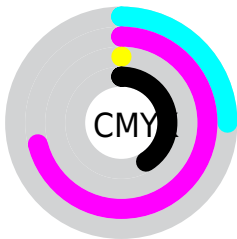
Blue (59%)



Red (44%)

Yellow (17%)

Blue (59%)

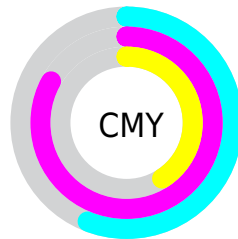


Cyan (25%)

Magenta (71%)

Yellow (0%)

Black (41%)



Cyan (56%)

Magenta (83%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 702C96 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 702C96 by changing the saturation by 10% instead.



 702C96

 702C96

FFFFFF

 550F7C

 A75FCD

 3B0062

 C37AE9

 22004A

 E094FF

 000032

 FEB0FF

 00021C

 FFC0FF

 000000

 FFE8FF

 702C96

 702C96

 6B1D96

 753B96

650E96

7B4A96

600096

805996

866896

8B7796

908696

969596

9BA496

A0B396

# Harmonies

## Analogous

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



004AB3



702C96



9B0067

# Triad

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



702C96



724200



00626A

# Complementary

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



702C96



52962C

# 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.



006133



702C96



455400

# Square

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



702C96



942300



005D00



006199

# Rectangle

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



702C96



A40044



005D00



006258



# Sweetspot

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



702C96



B399C2



2C5396



584961



E0E0E0



616161



# Same Dimension

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



702C96



871DC2



962C88



47434A



58008A



07000A



# Inverse Universe

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



962C52



C21D58



2C963A



4A4345



8A0031



0A0004



# Previews

## White Background



This preview shows how the Hex color 702C96 looks on a white background.

## Color Contrast Check

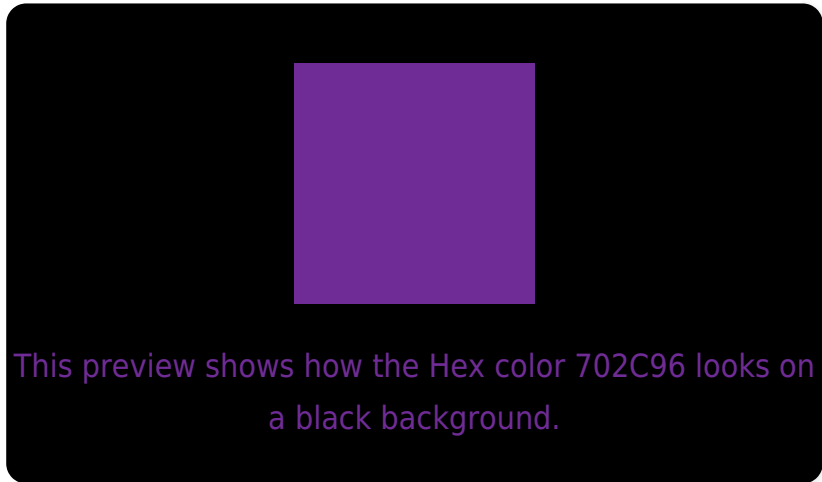
Large Text (above 18pt) WCAG AA ✓ Pass

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

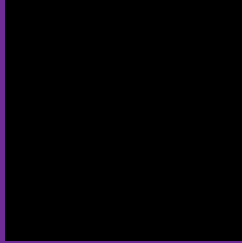
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 702C96 Background



This preview shows how black text looks on a background with the Hex color 702C96.

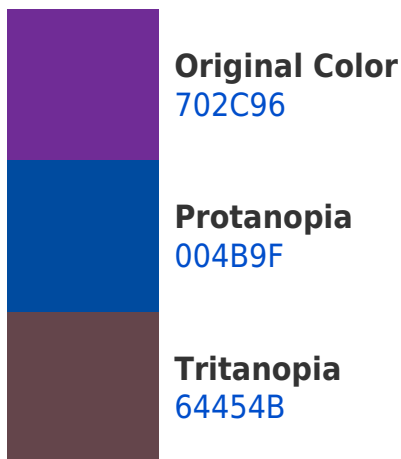


This preview shows how white text looks on a background with the Hex color 702C96.

# 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



# Trichromacy



**Original Color**  
702C96

**Protanomaly**  
29409C

**Tritanomaly**  
683C66

# Monochromacy



**Original Color**  
702C96

**Achromatopsia**  
4C4C4C

**Achromatomaly**  
594067

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 702C96 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 #702C96 looks like.

```
.text, #text, p{  
    color:#702C96  
}
```

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 #702C96 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #702C96
}
```

## Border

The CSS property to change the border of an element to Hex 702C96 is called "border". The border property can be set on classes, ids or directly on the HTML element.

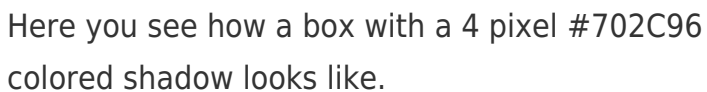
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#702C96 }
```

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

```
.border{ border-color:#702C96 }
```

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



Here you see how a box with a 4 pixel #702C96 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #702C96; -webkit-box-shadow:4px 4px  
4px 4px #702C96; box-shadow:4px 4px 4px  
4px #702C96 }
```

# Background

The CSS property to change the background color of an element to Hex 702C96 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#702C96 }
```

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

```
.background{ background-color:#702C96 }
```

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