

# Converting Colors

Hex(7428CA)

Have a look what the booklet for  
Hex(7428CA) contains.

<b>Hex(7428CA)</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(7428CA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7428CA
RGB	116, 40, 202
RGB Percent	45%, 16%, 79%
CMY	0.5451, 0.8431, 0.2078
CMYK	0.43, 0.80, 0.00, 0.21
HSL	268°, 67%, 47%
HSV	268°, 80%, 79%
XYZ	18.6219, 9.4949, 56.7283
YIQ	81.1920, -6.7060, 66.4940

# Conversions

## Conversions Part 2

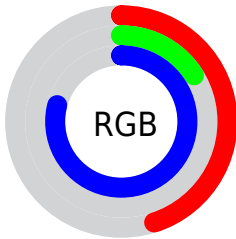
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	116, 40, 202
Decimal	7612618
CIE <sub>Lab</sub>	36.92, 62.30, -69.69
CIE <sub>LCh</sub>	37, 93.476, 311.794
Yxy	9.4949, 0.2195, 0.1119
Android (android.graphics.Color)	4285802698 (0xFF7428CA)
YUV	81.1920, 59.5583, 30.5266
Hunter-Lab	30.8137, 53.9504, -87.5838

# Details

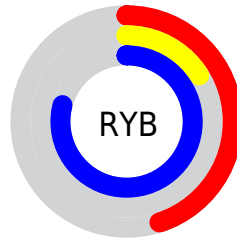
The Hex color **7428CA** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **7ECA28**, and the grayscale version is **515151**.

A 20% lighter version of the original color is **AF5FFF**, and **360093** is the 20% darker color. If you saturate the color by 10%, you get **6914CA**, and if you desaturate by 10%, it is **7F3CCA**.

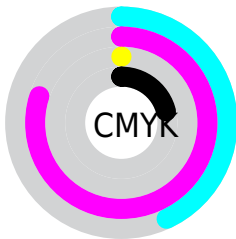
# Distribution



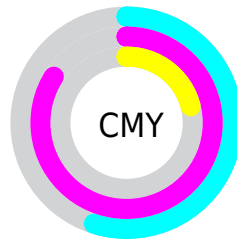
- Red (45%)
- Green (16%)
- Blue (79%)



- Red (45%)
- Yellow (16%)
- Blue (79%)



- Cyan (43%)
- Magenta (80%)
- Yellow (0%)
- Black (21%)



- Cyan (55%)
- Magenta (84%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7428CA 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 7428CA by changing the saturation by 10% instead.



 7428CA

 7428CA

FFFFFF

 5601AE

 AF5FFF

 360093

 CD7AFF

 090078

 EB95FF

 00005E

 FFB1FF

 000345

 FFCEFF

 00042E

 FFE8FF

 000118

 000000

 7428CA

 7428CA

6914CA

7F3CCA

5F00CA

8950CA

9465CA

9F79CA

AA8DCA

B4A1CA

BFB5CA

CACACA

D5DECA

# Harmonies

## Analogous

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



005AEF



7428CA



BF0088

# Triad

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



7428CA



8F4100



007274

# Complementary

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



7428CA



7ECA28

# 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.



006F22



7428CA



4F5E00

# Square

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



7428CA



BC0000



006A00



0072BC

# Rectangle

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



7428CA



CF0056



006A00



00715A



# Sweetspot

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



7428CA



DFC2FF



287ECA



6C5B80



000000



808080



# Same Dimension

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



7428CA



7D0AFF



C528CA



615C66



4E00A6



120026



# Inverse Universe

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



CA287E



FF0A8C



2DCA28



665C61



A60058

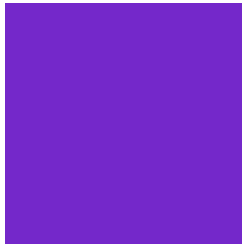


260014



# Previews

## White Background



This preview shows how the Hex color 7428CA 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

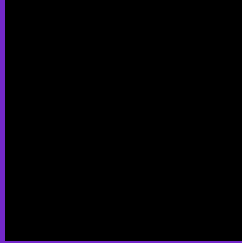
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 7428CA Background



This preview shows how black text looks on a background with the Hex color 7428CA.



This preview shows how white text looks on a background with the Hex color 7428CA.

# 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**  
7428CA

**Protanopia**  
0054B1

**Deuteranopia**  
005A99



**Tritanopia**  
5B555C

# Trichromacy



**Original Color**

7428CA



**Protanomaly**

2A44BA



**Deuteranomaly**

2A48AB



**Tritanomaly**

644584

# Monochromacy



**Original Color**

7428CA



**Achromatopsia**

515151



**Achromatomaly**

5E427D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7428CA 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 #7428CA looks like.

```
.text, #text, p{  
    color:#7428CA  
}
```

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 #7428CA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7428CA
}
```

## Border

The CSS property to change the border of an element to Hex 7428CA 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
#7428CA }
```

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

```
.border{ border-color:#7428CA }
```

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

Here you see how a box with a 4 pixel #7428CA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7428CA; -webkit-box-shadow:4px 4px  
4px 4px #7428CA; box-shadow:4px 4px 4px  
4px #7428CA }
```

# Background

The CSS property to change the background color of an element to Hex 7428CA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7428CA }
```

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

```
.background{ background-color:#7428CA }
```

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