

# Converting Colors

Hex(744DDB)

Have a look what the booklet for  
Hex(744DDB) contains.

<b>Hex(744DDB)</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(744DDB)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	744DDB
RGB	116, 77, 219
RGB Percent	45%, 30%, 86%
CMY	0.5451, 0.6980, 0.1412
CMYK	0.47, 0.65, 0.00, 0.14
HSL	256°, 66%, 58%
HSV	256°, 65%, 86%
XYZ	22.6425, 14.1352, 68.5528
YIQ	104.8490, -22.3380, 52.4300

# Conversions

## Conversions Part 2

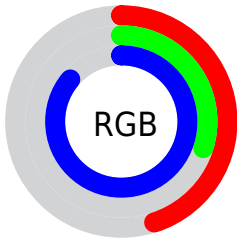
<b>Format</b>	<b>Color</b>
<b>RYB</b>	116, 77, 219
Decimal	7622107
CIELab	44.43, 49.50, -67.23
CIElCh	44, 83.488, 306.361
Yxy	14.1352, 0.2150, 0.1342
Android (android.graphics.Color)	4285812187 (0xFF744DDB)
YUV	104.8490, 56.2764, 9.7794
Hunter-Lab	37.5969, 41.7063, -81.7896

# Details

The Hex color **744DDB** is a dark color, and the websafe version is hex **6633CC**. The color can be described as middle muted purple. A complement of this color would be **B4DB4D**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **AF80FF**, and **361CA3** is the 20% darker color. If you saturate the color by 10%, you get **6437DB**, and if you desaturate by 10%, it is **8463DB**.

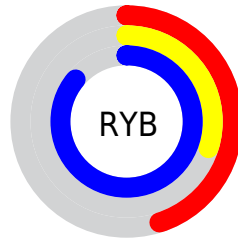
# Distribution



Red (45%)

Green (30%)

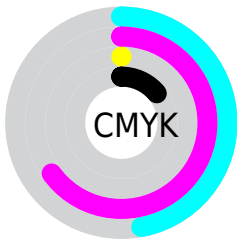
Blue (86%)



Red (45%)

Yellow (30%)

Blue (86%)

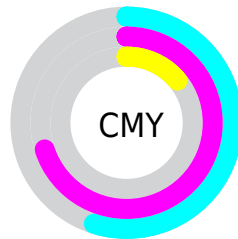


Cyan (47%)

Magenta (65%)

Yellow (0%)

Black (14%)



Cyan (55%)

Magenta (70%)

Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 744DDB 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 744DDB by changing the saturation by 10% instead.



744DDB

744DDB

FFFFFF

5634BF

AF80FF

361CA3

CC9BFF

040088

EAB6FF

00006E

FFD2FF

000054

FFEFFF

00063C

000225

00010E

000000

 744DDB

 744DDB

 6437DB

 8463DB

 5421DB

 9479DB

 440BDB

 A48FDB

 3C00DB

 B4A5DB

 C3BADB

 D3D0DB

 E3E6DB

 F3FCDB

 FFFFDB

# Harmonies

## Analogous

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



006FF6



744DDB



C300A2

# Triad

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



744DDB



AB4F00



008477

# Complementary

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



744DDB



B4DB4D

# 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.



00812B



744DDB



746B00

# Square

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



744DDB



D11419



1B7A00



0084BB

# Rectangle

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



744DDB



D90075



1B7A00



00845E



# Sweetspot

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



744DDB



DCCFFF



4DB5DB



6A6280



000000



808080



# Same Dimension

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



744DDB



6F38FF



BA4DDB



66636E



3000AD



0D002E



# Inverse Universe

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



DB4DB4



FF38C8



6EDB4D



6E636B



AD007E

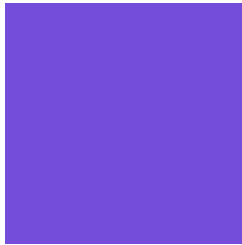


2E0021



# Previews

## White Background



This preview shows how the Hex color 744DDB looks on a white background.

## Color Contrast Check

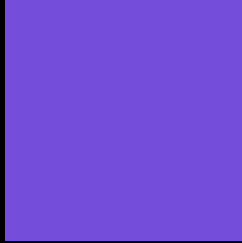
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 744DDB looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

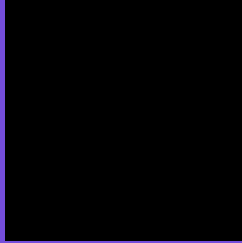
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 744DDB Background



This preview shows how black text looks on a background with the Hex color 744DDB.

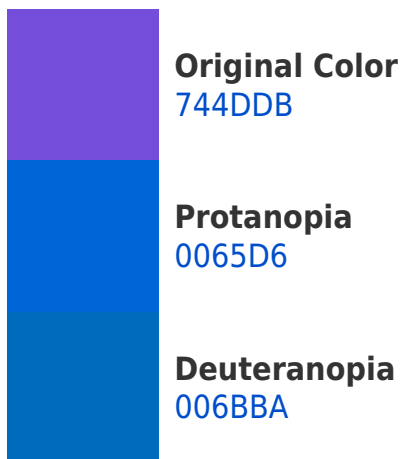


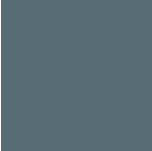
This preview shows how white text looks on a background with the Hex color 744DDB.

# 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](#).

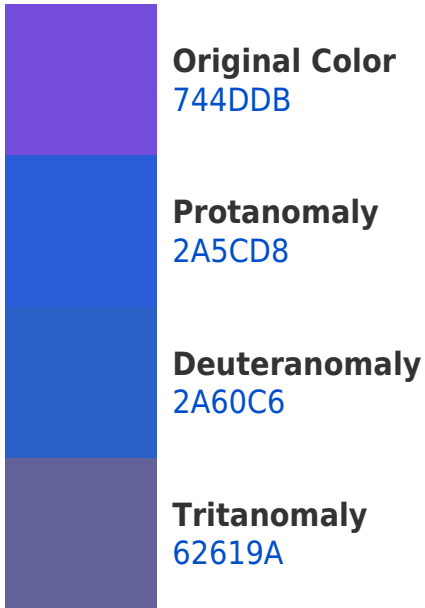
## Dichromacy



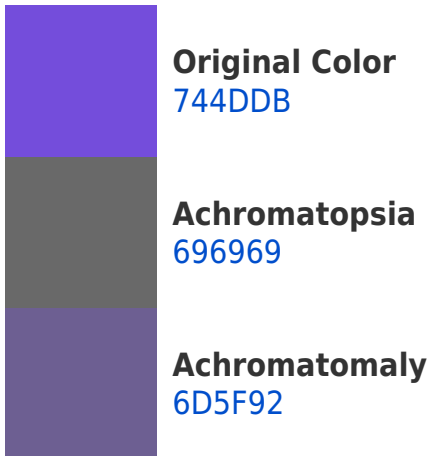


**Tritanopia**  
586C75

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 744DDB 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 #744DDB looks like.

```
.text, #text, p{  
    color:#744DDB  
}
```

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 #744DDB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #744DDB
}
```

## Border

The CSS property to change the border of an element to Hex 744DDB 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
#744DDB }
```

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

```
.border{ border-color:#744DDB }
```

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

Here you see how a box with a 4 pixel #744DDB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #744DDB; -webkit-box-shadow:4px 4px  
4px 4px #744DDB; box-shadow:4px 4px 4px  
4px #744DDB }
```

# Background

The CSS property to change the background color of an element to Hex 744DDB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#744DDB }
```

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

```
.background{ background-color:#744DDB }
```

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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