

# Converting Colors

Hex(737DC6)

Have a look what the booklet for  
Hex(737DC6) contains.

<b>Hex(737DC6)</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(737DC6)

# Conversions

## Conversions Part 1

Format	Color
Hex	737DC6
RGB	115, 125, 198
RGB Percent	45%, 49%, 78%
CMY	0.5490, 0.5098, 0.2235
CMYK	0.42, 0.37, 0.00, 0.22
HSL	233°, 42%, 61%
HSV	233°, 42%, 78%
XYZ	24.5969, 22.3893, 56.4512
YIQ	130.3320, -29.3930, 20.5830

# Conversions

## Conversions Part 2

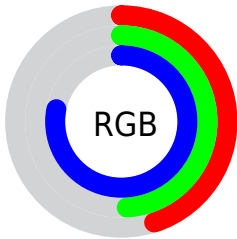
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	115, 124, 198
Decimal	7568838
CIE Lab	54.44, 15.02, -39.23
CIE LCh	54, 42.002, 290.949
Yxy	22.3893, 0.2378, 0.2165
Android (android.graphics.Color)	4285758918 (0xFF737DC6)
YUV	130.3320, 33.3603, -13.4462
Hunter-Lab	47.3173, 9.9841, -37.6130

# Details

The Hex color **737DC6** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **C6BC73**, and the grayscale version is **828282**.

A 20% lighter version of the original color is **AAB1FF**, and **3D4C90** is the 20% darker color. If you saturate the color by 10%, you get **5F6CC6**, and if you desaturate by 10%, it is **878EC6**.

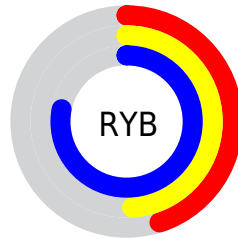
# Distribution



Red (45%)

Green (49%)

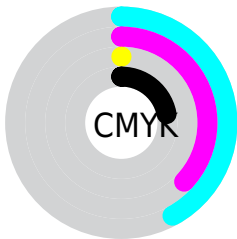
Blue (78%)



Red (45%)

Yellow (49%)

Blue (78%)

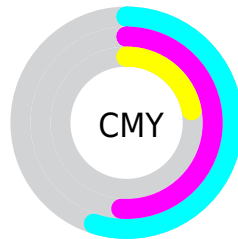


Cyan (42%)

Magenta (37%)

Yellow (0%)

Black (22%)



Cyan (55%)

Magenta (51%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 737DC6 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 737DC6 by changing the saturation by 10% instead.



■ 737DC6

■ 737DC6

FFFFFF

■ 5864AA

■ AAB1FF

■ 3D4C90

■ C6CDFF

■ 203676

■ E3E9FF

■ 00215D

■ 000B45

■ 00032E

■ 000118

■ 000000

■ 737DC6

■ 737DC6

■ 5F6CC6

■ 878EC6

■ 4B5AC6

■ 9BA0C6

■ 3849C6

■ AEB1C6

■ 2437C6

■ C2C3C6

■ 1026C6

■ D6D4C6

■ 0018C6

■ EAE5C6

■ FEF7C6

■ FFFC6

# Harmonies

## Analogous

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



1689CA



737DC6



A46FB0

# Triad

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



737DC6



BB6F4B



009476

# Complementary

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



737DC6



C6BC73

# 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.



549053



737DC6



A17C39

# Square

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



737DC6



C6656A



7E883C



00949B

# Rectangle

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



737DC6



B9679B



7E883C



2B9369



# Sweetspot

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



737DC6



DEE2FF



73C6BB



6B6E80



000000



808080



# Same Dimension

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



737DC6



808FFF



9173C6



5A5B63



0014A3



000424



# Inverse Universe

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



C6737D



FF808F



A8C673



635A5B



A30014

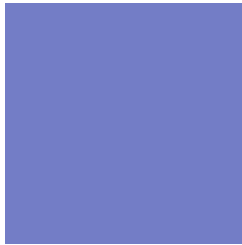


240004



# Previews

## White Background



This preview shows how the Hex color 737DC6 looks on a white background.

## Color Contrast Check

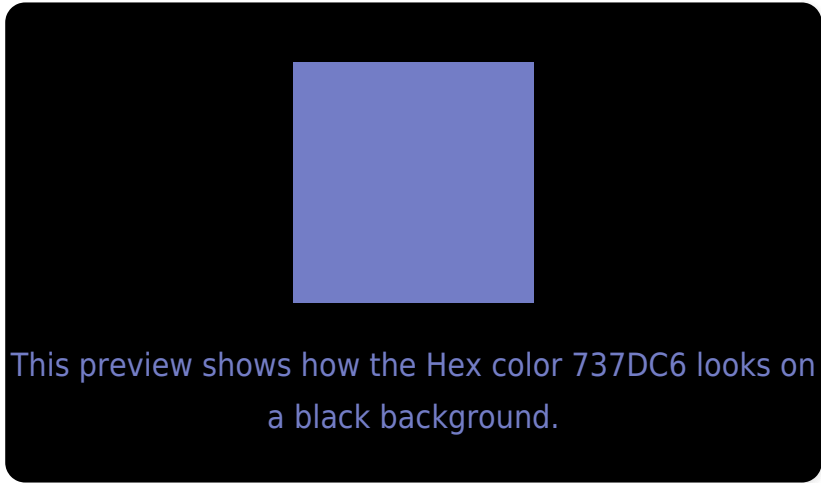
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex 737DC6 Background



This preview shows how black text looks on a background with the Hex color 737DC6.

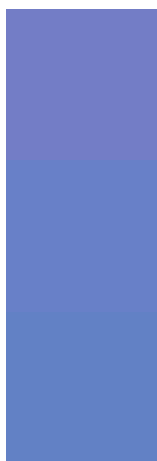


This preview shows how white text looks on a background with the Hex color 737DC6.

# 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**  
737DC6

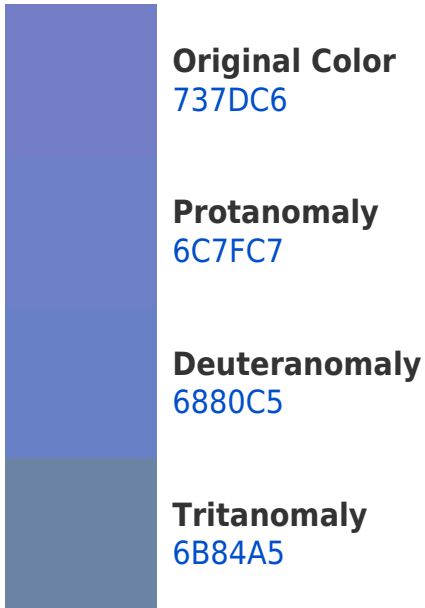
**Protanopia**  
6880C8

**Deuteranopia**  
6281C5



**Tritanopia**  
668892

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 737DC6 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 #737DC6 looks like.

```
.text, #text, p{  
    color:#737DC6  
}
```

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 #737DC6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #737DC6
}
```

## Border

The CSS property to change the border of an element to Hex 737DC6 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
#737DC6 }
```

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

```
.border{ border-color:#737DC6 }
```

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

Here you see how a box with a 4 pixel #737DC6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #737DC6; -webkit-box-shadow:4px 4px  
4px 4px #737DC6; box-shadow:4px 4px 4px  
4px #737DC6 }
```

# Background

The CSS property to change the background color of an element to Hex 737DC6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#737DC6 }
```

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

```
.background{ background-color:#737DC6 }
```

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