

# Converting Colors

XYZ(73.5922, 66.8415, 71.6672)

Have a look what the booklet for  
XYZ(73.5922, 66.8415, 71.6672)  
contains.

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# Color

**XYZ(73.6737, 66.9109,  
71.9829)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC7D5
RGB	255, 199, 213
RGB Percent	100%, 78%, 84%
CMY	0.0000, 0.2196, 0.1647
CMYK	0.00, 0.22, 0.16, 0.00
HSL	345°, 100%, 89%
HSV	345°, 22%, 100%
XYZ	73.6737, 66.9109, 71.9829
YIQ	217.3400, 28.8820, 16.2260

# Conversions

## Conversions Part 2

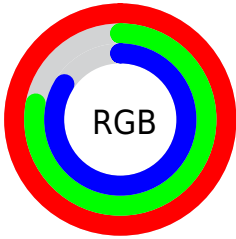
Format	Color
R <sub>Y</sub> B	255, 199, 213
Decimal	16762837
CIE Lab	85.46, 21.98, 0.70
CIE LCh	85, 21.986, 1.826
Yxy	66.9109, 0.3466, 0.3148
Android (android.graphics.Color)	4294952917 (0xFFFFC7D5)
YUV	217.3400, -2.1396, 33.0278
Hunter-Lab	81.7991, 17.6206, 5.0844

# Details

The XYZ color **73.6737, 66.9109, 71.9829** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.1926, 90.0141, 96.6340**, and the grayscale version is **66.1882, 69.6352, 75.8327**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.5857, 34.7252, 36.9640** is the 20% darker color. If you saturate the color by 10%, you get **66.0043, 55.2310, 58.1472**, and if you desaturate by 10%, it is **82.6155, 80.6771, 87.6571**.

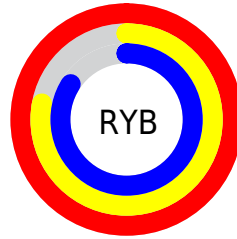
# Distribution



Red (100%)

Green (78%)

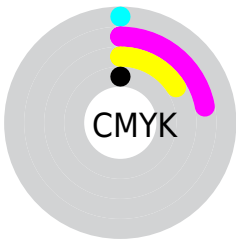
Blue (84%)



Red (100%)

Yellow (78%)

Blue (84%)

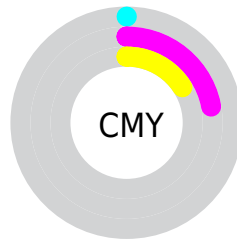


Cyan (0%)

Magenta (22%)

Yellow (16%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.6737, 66.9109, 71.9829 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 XYZ color 73.6737, 66.9109, 71.9829 by changing the saturation by 10% instead.




 73.6737, 66.9109,  
71.9829

 73.6737, 66.9109,  
71.9829


462.4142,  
449.6276, 486.4580

 54.8173, 49.0122,  
52.6580


123.4311,  
114.7927, 123.7397

 39.4888, 34.6292,  
37.1439


155.0629,  
145.5447, 157.0087

 27.3226, 23.3774,  
25.0223

191.6839,  
181.3498, 195.7627

 17.9535, 14.8724,  
15.8745

233.6594,  
222.5926, 240.4204

 11.0161, 8.7299,  
9.2820

281.3549,  
269.6573, 291.4002

 6.1450, 4.5654,  
4.8263

335.1356,

 2.9750, 1.9946,

322.9285, 349.1207

2.0887

395.3669,  
382.7904, 414.0005

■ 1.1405, 0.6043,  
0.6090

■ 0.0586, 0.0000,  
0.0000

■ 73.6737, 66.9109,  
71.9829

■ 73.6737, 66.9109,  
71.9829

■ 66.0043, 55.2310,  
58.1472

■ 82.6155, 80.6771,  
87.6571

■ 59.5440, 45.5270,  
46.0774

■ 92.8801, 96.6160,  
105.2305

■ 54.2306, 37.6912,  
35.7019

95.0500, 100.0000,  
108.9000

■ 49.9945, 31.6022,  
26.9426

■ 46.7582, 27.1242,  
19.7148

■ 44.4333, 24.1009,  
13.9256

■ 42.9147, 22.3446,  
9.4705

■ 42.1579, 21.6272,  
6.7637

# Harmonies

## Analogous

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



72.4325, 66.9109, 86.6099



73.6737, 66.9109, 71.9829



72.0998, 66.9109, 59.3072

# Triad

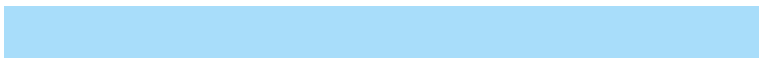
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.6737, 66.9109, 71.9829



58.6715, 66.9109, 51.9178



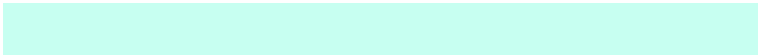
59.1746, 66.9109, 99.8525

# Complementary

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



73.6737, 66.9109, 71.9829



75.1926, 90.0141, 96.6340

# 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.



55.7901, 66.9109, 88.3222



73.6737, 66.9109, 71.9829



55.5105, 66.9109, 60.6387

# Square

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



73.6737, 66.9109, 71.9829



63.2917, 66.9109, 48.7027



54.4834, 66.9109, 73.7333



63.9029, 66.9109, 103.9049



# Rectangle

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



73.6737, 66.9109, 71.9829



69.7113, 66.9109, 53.3225



54.4834, 66.9109, 73.7333



57.8507, 66.9109, 96.6543

# Sweetspot

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



73.6752, 66.9138, 71.9843



87.5363, 88.3028, 96.1293



74.7509, 66.7706, 103.5560



18.6044, 18.6955, 20.3495



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

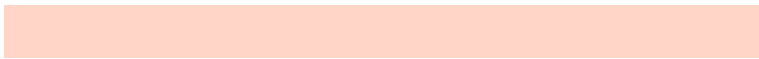
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.6752, 66.9138, 71.9843



70.4254, 61.9472, 66.1747



75.3449, 72.9745, 64.1508



18.1956, 18.0615, 19.6471



22.0782, 11.3206, 3.7964



2.1912, 1.1188, 0.5881



# Inverse Universe

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



73.6752, 66.9138, 71.9843



70.4254, 61.9472, 66.1747



73.0605, 82.2744, 106.6376



18.1956, 18.0615, 19.6471



22.0782, 11.3206, 3.7964



2.1912, 1.1188, 0.5881



# Previews

## White Background



This preview shows how the XYZ color 73.6737, 66.9109, 71.9829 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

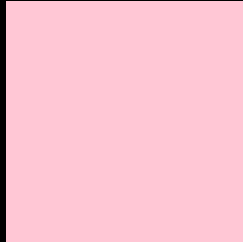
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.6737, 66.9109, 71.9829 looks on a 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 ✓ Pass

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

**XYZ 73.6737, 66.9109, 71.9829**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.6737, 66.9109, 71.9829.



This preview shows how white text looks on a background with the XYZ color 73.6737, 66.9109,



# 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

73.6737, 66.9109, 71.9829

### Protanopia

65.1643, 67.4079, 77.9831

### Deuteranopia

68.4574, 67.0413, 71.6195



## Tritanopia

73.8010, 66.9619, 72.6535

# Trichromacy



## Original Color

73.6737, 66.9109, 71.9829

## Protanomaly

67.8439, 66.9967, 75.6856

## Deuteranomaly

70.0945, 66.8164, 71.4898

## Tritanomaly

73.8010, 66.9619, 72.6535

# Monochromacy



## Original Color

73.6737, 66.9109, 71.9829

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

68.3963, 68.0400, 74.4939

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.6737, 66.9109, 71.9829 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 `rgb(255, 199, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 213)  
}
```

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 rgb(255, 199, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 213) }
```

## Border

The CSS property to change the border of an element to XYZ 73.6737, 66.9109, 71.9829 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".

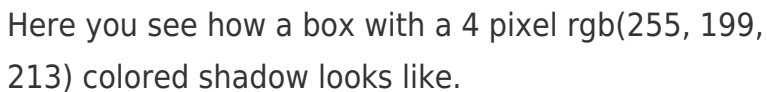
```
.border, #border, table{ border:4px solid rgb(255, 199, 213) }
```



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

```
.border{ border-color:rgb(255, 199, 213) }
```

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



Here you see how a box with a 4 pixel `rgb(255, 199, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 199, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 199, 213); box-shadow:4px 4px 4px 4px rgb(255, 199, 213) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.6737, 66.9109, 71.9829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 199, 213) }
```

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

```
.background{ background-color: rgb(255,  
199, 213) }
```

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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