

# Converting Colors

XYZ(99.6933, 80.5339, 70.7505)

Have a look what the booklet for  
XYZ(99.6933, 80.5339, 70.7505)  
contains.

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# Color

**XYZ(73.1720, 66.7103,  
69.3414)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC7D1
RGB	255, 199, 209
RGB Percent	100%, 78%, 82%
CMY	0.0000, 0.2196, 0.1804
CMYK	0.00, 0.22, 0.18, 0.00
HSL	349°, 100%, 89%
HSV	349°, 22%, 100%
XYZ	73.1720, 66.7103, 69.3414
YIQ	216.8840, 30.1660, 14.9820

# Conversions

## Conversions Part 2

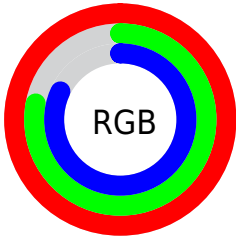
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 199, 209
Decimal	16762833
CIE <sub>Lab</sub>	85.36, 21.37, 2.68
CIE <sub>LCh</sub>	85, 21.536, 7.158
Yxy	66.7103, 0.3497, 0.3188
Android (android.graphics.Color)	4294952913 (0xFFFFC7D1)
YUV	216.8840, -3.8868, 33.4277
Hunter-Lab	81.6764, 16.9804, 6.8376

# Details

The XYZ color **73.1720, 66.7103, 69.3414** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.7970, 90.2558, 99.8163**, and the grayscale version is **65.8866, 69.3179, 75.4872**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.3305, 34.6231, 35.6203** is the 20% darker color. If you saturate the color by 10%, you get **65.3637, 54.9748, 54.7732**, and if you desaturate by 10%, it is **82.3078, 80.5542, 86.0362**.

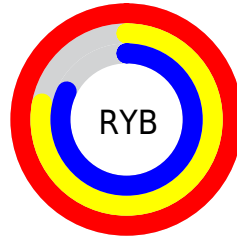
# Distribution



Red (100%)

Green (78%)

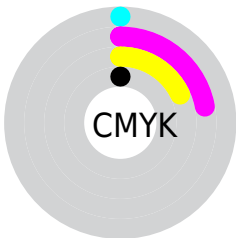
Blue (82%)



Red (100%)

Yellow (78%)

Blue (82%)

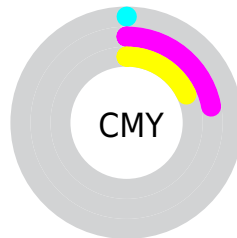


Cyan (0%)

Magenta (22%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (22%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.1720, 66.7103, 69.3414 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 73.1720, 66.7103, 69.3414 by changing the saturation by 10% instead.




 73.1720, 66.7103,  
69.3414

 73.1720, 66.7103,  
69.3414


460.7053,  
448.9129, 476.9607

 54.4055, 48.8492,  
50.5163


122.7232,  
114.5052, 119.9414

 39.1579, 34.4999,  
35.4498

154.2385,  
145.2078, 152.5533

 27.0639, 23.2779,  
23.7232


190.7343,  
180.9598, 190.5980

 17.7580, 14.7988,  
14.9181

232.5757,  
222.1454, 234.4939

 10.8750, 8.6783,  
8.6160

280.1281,  
269.1491, 284.6595

 6.0495, 4.5320,  
4.3982

333.7570,

 2.9162, 1.9754,

322.3554, 341.5135

1.8462

393.8276,  
382.1485, 405.4744

■ 1.1096, 0.5931,  
0.4582

■ 0.0331, 0.0000,  
0.0000

■ 73.1720, 66.7103,  
69.3414

■ 73.1720, 66.7103,  
69.3414

■ 65.3637, 54.9748,  
54.7732

■ 82.3078, 80.5542,  
86.0362

■ 58.8157, 45.2357,  
42.2416

■ 92.8240, 96.5937,  
104.9343

■ 53.4624, 37.3839,  
31.6562

95.0500, 100.0000,  
108.9000

■ 49.2303, 31.2966,  
22.9182

■ 46.0375, 26.8359,  
15.9197

■ 43.7907, 23.8439,  
10.5413

■ 42.3787, 22.1302,  
6.6480

■ 41.7237, 21.4535,  
4.4772

# Harmonies

## Analogous

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



72.4458, 66.7103, 83.5674



73.1720, 66.7103, 69.3414



71.1764, 66.7103, 57.5937

# Triad

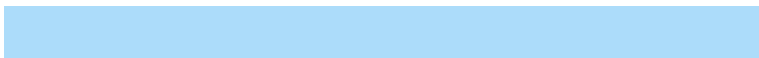
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



73.1720, 66.7103, 69.3414



57.9096, 66.7103, 53.2676



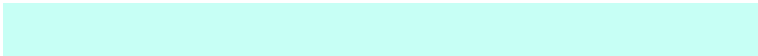
59.8354, 66.7103, 100.3007

# Complementary

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



73.1720, 66.7103, 69.3414



75.7970, 90.2558, 99.8163

# 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.



56.2230, 66.7103, 90.0932



73.1720, 66.7103, 69.3414



55.1516, 66.7103, 62.7024

# Square

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



73.1720, 66.7103, 69.3414



62.2450, 66.7103, 49.1170



54.5503, 66.7103, 76.0337



64.5816, 66.7103, 102.6711



# Rectangle

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



73.1720, 66.7103, 69.3414



68.6285, 66.7103, 52.3301



54.5503, 66.7103, 76.0337



58.4557, 66.7103, 97.6141

# Sweetspot

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



73.1737, 66.7132, 69.3428



87.3458, 88.2266, 95.1261



76.0385, 67.4345, 103.6162



18.5604, 18.6779, 20.1178



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.



73.1737, 66.7132, 69.3428



69.8611, 61.7214, 63.2032



76.2948, 74.8743, 64.4677



18.1417, 18.0400, 19.3635



21.8395, 11.2251, 2.5395



2.1608, 1.1067, 0.4280



# Inverse Universe

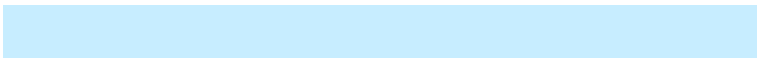
The Inverse Universe completely reimagines the original color for something new.



73.1737, 66.7132, 69.3428



69.8611, 61.7214, 63.2032



71.9669, 80.0870, 106.2730



18.1417, 18.0400, 19.3635



21.8395, 11.2251, 2.5395

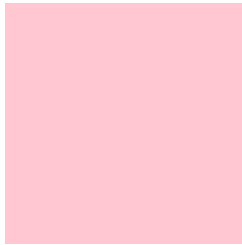


2.1608, 1.1067, 0.4280



# Previews

## White Background



This preview shows how the XYZ color 73.1720, 66.7103, 69.3414 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

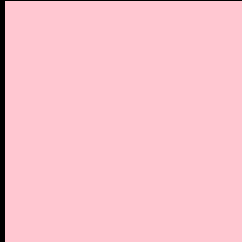
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.1720, 66.7103, 69.3414 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

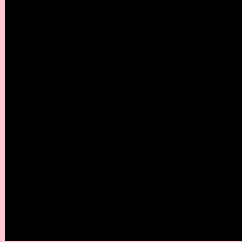
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 73.1720, 66.7103, 69.3414

## Background



This preview shows how black text looks on a background with the XYZ color 73.1720, 66.7103, 69.3414.



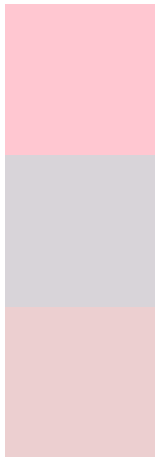
This preview shows how white text looks on a background with the XYZ color 73.1720, 66.7103,



# 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

73.1720, 66.7103, 69.3414

### Protanopia

64.3868, 66.6957, 75.1256

### Deuteranopia

68.2901, 67.0126, 69.0100



## Tritanopia

73.8010, 66.9619, 72.6535

# Trichromacy



## Original Color

73.1720, 66.7103, 69.3414

## Protanomaly

67.0835, 66.3037, 72.8805

## Deuteranomaly

69.9402, 66.7945, 68.8809

## Tritanomaly

73.5471, 66.8603, 71.3163

# Monochromacy



## Original Color

73.1720, 66.7103, 69.3414

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

68.1392, 67.9372, 73.1402

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.1720, 66.7103, 69.3414 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, 209)` looks like.

```
.text, #text, p{  
    color:rgb(255, 199, 209)  
}
```

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, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 199, 209) }
```

## Border

The CSS property to change the border of an element to XYZ 73.1720, 66.7103, 69.3414 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, 209) }
```



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

```
.border{ border-color:rgb(255, 199, 209) }
```

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, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 199, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 199, 209);  
box-shadow:4px 4px 4px 4px rgb(255, 199,  
209) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.1720, 66.7103, 69.3414 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, 209) }
```

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

```
.background{ background-color: rgb(255,  
199, 209) }
```

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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