

# Converting Colors

XYZ(99.8218, 83.2343, 75.6884)

Have a look what the booklet for  
XYZ(99.8218, 83.2343, 75.6884)  
contains.

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# Color

**XYZ(75.9475, 70.8435,  
74.6370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFCFD8
RGB	255, 207, 216
RGB Percent	100%, 81%, 85%
CMY	0.0000, 0.1882, 0.1529
CMYK	0.00, 0.19, 0.15, 0.00
HSL	349°, 100%, 91%
HSV	349°, 19%, 100%
XYZ	75.9475, 70.8435, 74.6370
YIQ	222.3780, 25.7190, 12.9750

# Conversions

## Conversions Part 2

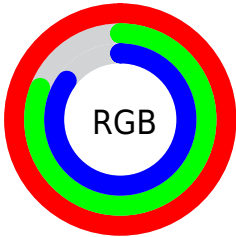
<b>Format</b>	<b>Color</b>
<b>RYB</b>	255, 207, 216
Decimal	16764888
CIELab	87.41, 18.25, 1.95
CIElCh	87, 18.351, 6.090
Yxy	70.8435, 0.3430, 0.3199
Android (android.graphics.Color)	4294954968 (0xFFFFCFD8)
YUV	222.3780, -3.1444, 28.6095
Hunter-Lab	84.1686, 13.7702, 6.3422

# Details

The XYZ color **75.9475, 70.8435, 74.6370** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **78.1291, 91.4404, 100.7245**, and the grayscale version is **69.7086, 73.3389, 79.8660**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **41.1130, 37.3614, 38.7628** is the 20% darker color. If you saturate the color by 10%, you get **67.7491, 58.4668, 59.5108**, and if you desaturate by 10%, it is **85.4847, 85.3567, 91.8779**.

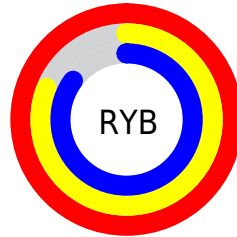
# Distribution



Red (100%)

Green (81%)

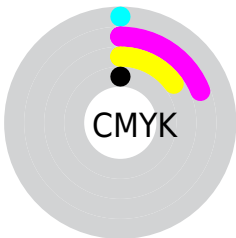
Blue (85%)



Red (100%)

Yellow (81%)

Blue (85%)

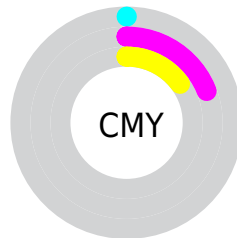


Cyan (0%)

Magenta (19%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 75.9475, 70.8435, 74.6370 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 75.9475, 70.8435, 74.6370 by changing the saturation by 10% instead.




 75.9475, 70.8435,  
74.6370

 75.9475, 70.8435,  
74.6370


470.1151,  
463.5062, 495.8911

 56.6864, 52.2145,  
54.8156


126.6334,  
120.4109, 127.5408

 40.9926, 37.1761,  
38.8565

158.7890,  
152.1180, 161.4602

 28.5010, 25.3438,  
26.3412


195.9733,  
188.9533, 200.9161

 18.8460, 16.3334,  
16.8510

238.5519,  
231.3012, 246.3270

 11.6624, 9.7604,  
9.9675

286.8900,  
279.5460, 298.1114

 6.5848, 5.2404,  
5.2721

341.3530,

 3.2478, 2.3890,

334.0722, 356.6878

2.3462

402.3062,  
395.2641, 422.4749

■ 1.2861, 0.8202,  
0.7570

■ 0.1728, 0.0000,  
0.0000

■ 75.9475, 70.8435,  
74.6370

■ 75.9475, 70.8435,  
74.6370

■ 67.7491, 58.4668,  
59.5108

■ 85.4847, 85.3567,  
91.8779

■ 60.8242, 48.1169,  
46.4130

95.0500, 100.0000,  
108.9000

■ 55.1095, 39.6880,  
35.2577

■ 50.5340, 33.0611,  
25.9514

■ 47.0195, 28.1040,  
18.3921

■ 44.4771, 24.6660,  
12.4683

■ 42.8033, 22.5691,  
8.0543

■ 41.8535, 21.5576,  
4.9995

■ 41.7693, 21.4717,  
4.7170

# Harmonies

## Analogous

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



75.2273, 70.8435, 87.1983



75.9475, 70.8435, 74.6370



74.2813, 70.8435, 63.9396

# Triad

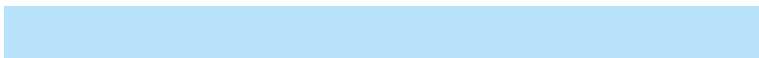
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.9475, 70.8435, 74.6370



62.5535, 70.8435, 59.4457



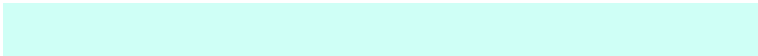
64.0198, 70.8435, 101.0239

# Complementary

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



75.9475, 70.8435, 74.6370



78.1291, 91.4404, 100.7245

# 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.



60.8351, 70.8435, 92.0348



75.9475, 70.8435, 74.6370



60.0142, 70.8435, 67.8802

# Square

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



75.9475, 70.8435, 74.6370



66.4561, 70.8435, 55.7939



59.3988, 70.8435, 79.6912



68.2208, 70.8435, 103.3270



# Rectangle

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



75.9475, 70.8435, 74.6370



72.0817, 70.8435, 59.0098



59.3988, 70.8435, 79.6912



62.8006, 70.8435, 98.6403

# Sweetspot

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



75.9491, 70.8465, 74.6385



88.4243, 89.8487, 97.1341



78.1606, 71.3333, 104.2569



18.7786, 19.0053, 20.5269



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

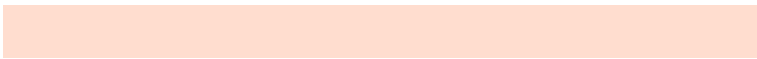
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.9491, 70.8465, 74.6385



72.3634, 65.4197, 68.0646



78.4665, 77.6919, 69.8958



18.1484, 18.0427, 19.3988



21.8649, 11.2352, 2.6729



2.1642, 1.1080, 0.4460



# Inverse Universe

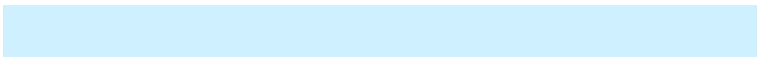
The Inverse Universe completely reimagines the original color for something new.



75.9491, 70.8465, 74.6385



72.3634, 65.4197, 68.0646



75.1214, 83.1614, 106.7002



18.1484, 18.0427, 19.3988



21.8649, 11.2352, 2.6729



2.1642, 1.1080, 0.4460



# Previews

## White Background



This preview shows how the XYZ color 75.9475, 70.8435, 74.6370 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

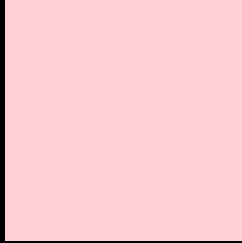
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 75.9475, 70.8435, 74.6370 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

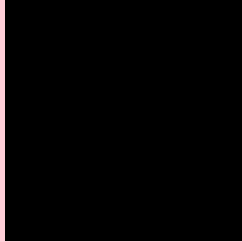
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 75.9475, 70.8435, 74.6370**

## **Background**



This preview shows how black text looks on a background with the XYZ color 75.9475, 70.8435, 74.6370.



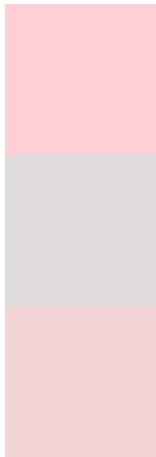
This preview shows how white text looks on a background with the XYZ color 75.9475, 70.8435,

74.6370.

# 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

75.9475, 70.8435, 74.6370

### Protanopia

68.3804, 70.9463, 79.1972

### Deuteranopia

72.4272, 70.8705, 74.1520



## Tritanopia

76.4961, 70.6765, 78.7174

# Trichromacy



## Original Color

75.9475, 70.8435, 74.6370

## Protanomaly

70.8965, 70.7529, 77.6302

## Deuteranomaly

73.6701, 70.7736, 74.0678

## Tritanomaly

76.2296, 70.5699, 77.3138

# Monochromacy



## Original Color

75.9475, 70.8435, 74.6370

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

71.6628, 72.2854, 77.8856

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 75.9475, 70.8435, 74.6370 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, 207, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 207, 216)  
}
```

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, 207, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 207, 216) }
```

## Border

The CSS property to change the border of an element to XYZ 75.9475, 70.8435, 74.6370 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, 207, 216) }
```



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

```
.border{ border-color:rgb(255, 207, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 207, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 207, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 207, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 207,  
216) }
```

# Background

The CSS property to change the background color of an element to XYZ 75.9475, 70.8435, 74.6370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 207, 216) }
```

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

```
.background{ background-color: rgb(255,  
207, 216) }
```

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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