

Converting Colors

XYZ(82.8454, 73.5346, 87.3693)

Have a look what the booklet for
XYZ(82.8454, 73.5346, 87.3693)
contains.

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Color

**XYZ(77.9226, 70.8632,
87.4129)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCDEA
RGB	255, 205, 234
RGB Percent	100%, 80%, 92%
CMY	0.0000, 0.1961, 0.0823
CMYK	0.00, 0.20, 0.08, 0.00
HSL	325°, 100%, 90%
HSV	325°, 20%, 100%
XYZ	77.9226, 70.8632, 87.4129
YIQ	223.2560, 20.4910, 19.6190

Conversions

Conversions Part 2

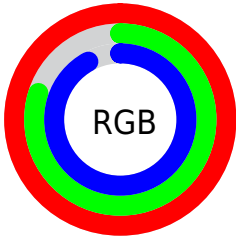
Format	Color
R _Y B	255, 205, 234
Decimal	16764394
CIE Lab	87.42, 22.19, -7.57
CIE LCh	87, 23.450, 341.159
Yxy	70.8632, 0.3299, 0.3000
Android (android.graphics.Color)	4294954474 (0xFFFFCDEA)
YUV	223.2560, 5.2968, 27.8395
Hunter-Lab	84.1803, 17.9154, -2.6406

Details

The XYZ color **77.9226, 70.8632, 87.4129** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.6666, 89.9912, 85.3896**, and the grayscale version is **70.2760, 73.9359, 80.5162**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.3912, 37.3533, 47.0951** is the 20% darker color. If you saturate the color by 10%, you get **70.8202, 59.0468, 77.6823**, and if you desaturate by 10%, it is **86.1153, 84.7107, 97.9679**.

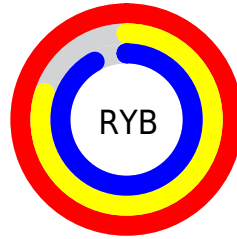
Distribution



Red (100%)

Green (80%)

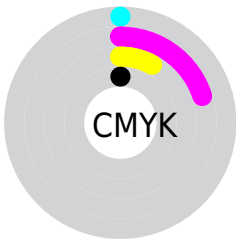
Blue (92%)



Red (100%)

Yellow (80%)

Blue (92%)

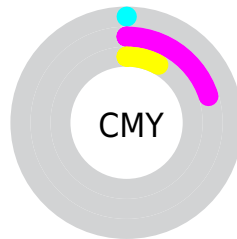


Cyan (0%)

Magenta (20%)

Yellow (8%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 77.9226, 70.8632, 87.4129 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 77.9226, 70.8632, 87.4129 by changing the saturation by 10% instead.


 77.9226, 70.8632,
87.4129

 77.9226, 70.8632,
87.4129


476.7478,
463.5751, 539.9301

 58.3130, 52.2306,
65.2754


129.4070,
120.4389, 145.6435

 42.3045, 37.1889,
47.2317

162.0124,
152.1508, 182.5736

 29.5320, 25.3538,
32.8632


199.6804,
188.9912, 225.2716

 19.6299, 16.3408,
21.7514

242.7765,
231.3445, 274.1562

 12.2330, 9.7656,
13.4778

291.6659,
279.5952, 329.6458

 6.9759, 5.2439,
7.6238

346.7140,

 3.4932, 2.3910,

334.1276, 392.1589

3.7709

408.2862,
395.3261, 462.1142

■ 1.4196, 0.8213,
1.5005

■ 0.2702, 0.0000,
0.2183

■ 77.9226, 70.8632,
87.4129

■ 77.9226, 70.8632,
87.4129

■ 70.8202, 59.0468,
77.6823

■ 86.1153, 84.7107,
97.9679

■ 64.7536, 49.1560,
68.7469

95.0500, 100.0000,
108.9000

■ 59.6706, 41.0888,
60.5821

■ 55.5123, 34.7303,
53.1597

■ 52.2134, 29.9524,
46.4492

■ 49.6992, 26.6089,
40.4168

■ 47.8811, 24.5255,
35.0234

■ 46.6213, 23.4300,
30.2137

■ 46.5769, 23.3948,
30.0337

Harmonies

Analogous

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



74.5942, 70.8632, 102.4223



77.9226, 70.8632, 87.4129



78.3296, 70.8632, 71.4153

Triad

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



77.9226, 70.8632, 87.4129



65.3171, 70.8632, 50.9789



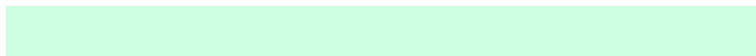
59.6632, 70.8632, 98.9778

Complementary

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



77.9226, 70.8632, 87.4129



74.6666, 89.9912, 85.3896

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.



57.4536, 70.8632, 83.2006



77.9226, 70.8632, 87.4129



60.5969, 70.8632, 56.4326

Square

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



77.9226, 70.8632, 87.4129



70.8449, 70.8632, 51.7840



57.7858, 70.8632, 67.7382



63.9785, 70.8632, 109.7042

Rectangle

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



77.9226, 70.8632, 87.4129



76.8652, 70.8632, 62.4543



57.7858, 70.8632, 67.7382



58.6605, 70.8632, 94.0053

Sweetspot

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



77.9242, 70.8661, 87.4144



89.3443, 90.2167, 101.9789



71.1957, 67.0279, 103.7930



18.9958, 19.0922, 21.6704



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.



77.9242, 70.8661, 87.4144



74.6713, 65.4282, 83.0378



74.6027, 69.5375, 69.9236



18.4511, 18.1638, 20.9929



24.4136, 12.2548, 16.0946



2.4316, 1.2150, 1.8544

Inverse Universe

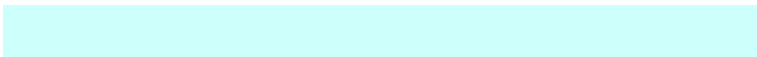
The Inverse Universe completely reimagines the original color for something new.



77.9242, 70.8661, 87.4144



74.6713, 65.4282, 83.0378



78.3249, 91.4546, 104.6539



18.4511, 18.1638, 20.9929



24.4136, 12.2548, 16.0946



2.4316, 1.2150, 1.8544

Previews

White Background



This preview shows how the XYZ color 77.9226, 70.8632, 87.4129 looks on a white background.

Color Contrast Check

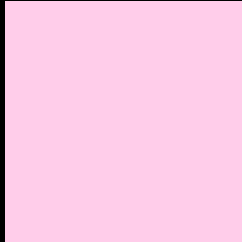
Large Text (above 18pt) WCAG AA × Fail

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 77.9226, 70.8632, 87.4129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

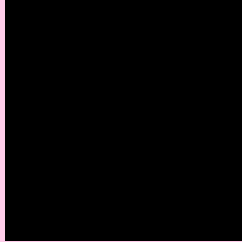
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.9226, 70.8632, 87.4129

Background



This preview shows how black text looks on a background with the XYZ color 77.9226, 70.8632, 87.4129.



This preview shows how white text looks on a background with the XYZ color 77.9226, 70.8632,

87.4129.

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

77.9226, 70.8632, 87.4129

Protanopia

69.7137, 71.3053, 94.0934

Deuteranopia

72.6207, 71.0769, 86.2356



Tritanopia

76.5052, 71.0242, 79.4888

Trichromacy



Original Color

77.9226, 70.8632, 87.4129

Protanomaly

72.3292, 70.8094, 91.5168

Deuteranomaly

74.3725, 70.8536, 86.8471

Tritanomaly

76.8095, 70.7595, 82.2827

Monochromacy



Original Color

77.9226, 70.8632, 87.4129

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

72.6819, 72.3200, 82.8014

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.9226, 70.8632, 87.4129 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, 205, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 234)  
}
```

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, 205, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 234) }
```

Border

The CSS property to change the border of an element to XYZ 77.9226, 70.8632, 87.4129 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, 205, 234) }
```


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

```
.border{ border-color:rgb(255, 205, 234) }
```

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

Here you see how a box with a 4 pixel rgb(255, 205, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 77.9226, 70.8632, 87.4129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 234) }
```

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

```
.background{ background-color: rgb(255,  
205, 234) }
```

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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