

Converting Colors

XYZ(81.6833, 71.7900, 89.7942)

Have a look what the booklet for
XYZ(81.6833, 71.7900, 89.7942)
contains.

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Color

**XYZ(77.6466, 69.6155,
89.4655)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCAED
RGB	255, 202, 237
RGB Percent	100%, 79%, 93%
CMY	0.0000, 0.2078, 0.0706
CMYK	0.00, 0.21, 0.07, 0.00
HSL	320°, 100%, 90%
HSV	320°, 21%, 100%
XYZ	77.6466, 69.6155, 89.4655
YIQ	221.8370, 20.3530, 22.1210

Conversions

Conversions Part 2

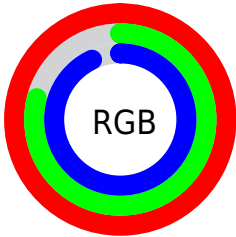
Format	Color
R _{YB}	255, 202, 237
Decimal	16763629
CIE Lab	86.81, 24.27, -10.07
CIE LCh	87, 26.278, 337.468
Yxy	69.6155, 0.3280, 0.2941
Android (android.graphics.Color)	4294953709 (0xFFFFCAED)
YUV	221.8370, 7.4754, 29.0840
Hunter-Lab	83.4359, 20.1017, -5.1695

Details

The XYZ color **77.6466, 69.6155, 89.4655** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.0376, 89.2449, 81.0899**, and the grayscale version is **69.2565, 72.8632, 79.3481**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2191, 36.5218, 48.5403** is the 20% darker color. If you saturate the color by 10%, you get **70.9157, 58.1298, 81.1295**, and if you desaturate by 10%, it is **85.4304, 83.1084, 98.4559**.

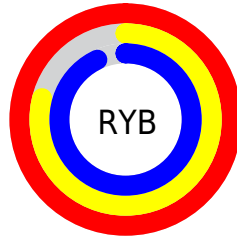
Distribution



Red (100%)

Green (79%)

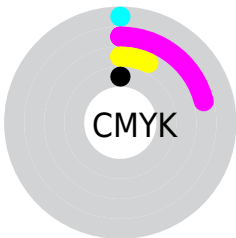
Blue (93%)



Red (100%)

Yellow (79%)

Blue (93%)

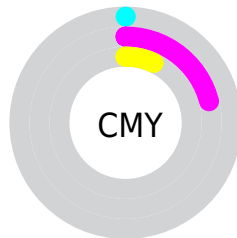


Cyan (0%)

Magenta (21%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (21%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 77.6466, 69.6155, 89.4655 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 77.6466, 69.6155, 89.4655 by changing the saturation by 10% instead.

77.6466, 69.6155,
89.4655

77.6466, 69.6155,
89.4655

475.8240,
459.1988, 546.8158

58.0855, 51.2131,
66.9662

129.0198,
118.6603, 148.5248

42.1209, 36.3783,
48.5957

161.5627,
150.0715, 185.9218

29.3875, 24.7265,
33.9356

199.1634,
186.5877, 229.1218

19.5199, 15.8734,
22.5671

242.1875,
228.5934, 278.5434

12.1528, 9.4346,
14.0719

291.0003,
276.4730, 334.6050

6.9208, 5.0257,
8.0314

345.9670,

3.4585, 2.2624,

330.6108, 397.7253

4.0270

407.4531,
391.3913, 468.3227

■ 1.4006, 0.7537,
1.6402

■ 0.2567, 0.0000,
0.3192

■ 77.6466, 69.6155,
89.4655

■ 77.6466, 69.6155,
89.4655

■ 70.9157, 58.1298,
81.1295

■ 85.4304, 83.1084,
98.4559

■ 65.1835, 48.5455,
73.4227

■ 94.3083, 98.6908,
108.1158

■ 60.3981, 40.7598,
66.3247

■ 95.0500, 100.0000,
108.9000

■ 56.5009, 34.6568,
59.8114

■ 53.4264, 30.1069,
53.8565

■ 51.0994, 26.9615,
48.4303

■ 49.4303, 25.0426,
43.4982

■ 48.3445, 24.1018,
39.3420

Harmonies

Analogous

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



73.5896, 69.6155, 105.8282



77.6466, 69.6155, 89.4655



78.5386, 69.6155, 71.5015

Triad

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



77.6466, 69.6155, 89.4655



64.6492, 69.6155, 47.0460



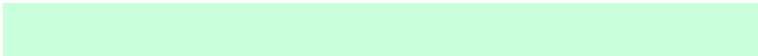
57.2575, 69.6155, 98.2123

Complementary

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



77.6466, 69.6155, 89.4655



73.0376, 89.2449, 81.0899

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.



55.1688, 69.6155, 80.2662



77.6466, 69.6155, 89.4655



59.2619, 69.6155, 52.0674

Square

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



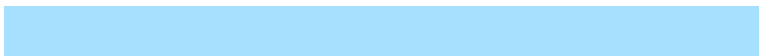
77.6466, 69.6155, 89.4655



70.7814, 69.6155, 48.7301



55.8794, 69.6155, 63.6011



61.7585, 69.6155, 111.3968

Rectangle

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



77.6466, 69.6155, 89.4655



77.1709, 69.6155, 61.2886



55.8794, 69.6155, 63.6011



56.2631, 69.6155, 92.4369

Sweetspot

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



77.6482, 69.6183, 89.4670



89.5364, 90.2935, 102.9904



68.5875, 64.6281, 103.4673



19.0412, 19.1104, 21.9097



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.



77.6482, 69.6183, 89.4670



74.6832, 64.5339, 85.8719



74.0995, 68.1989, 70.7800



18.5151, 18.1894, 21.3297



25.3337, 12.6228, 20.9397



2.5178, 1.2495, 2.3082

Inverse Universe

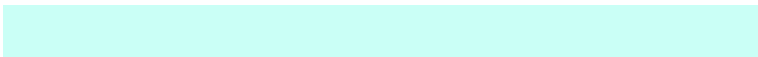
The Inverse Universe completely reimagines the original color for something new.



77.6482, 69.6183, 89.4670



74.6832, 64.5339, 85.8719



76.7790, 90.7415, 100.7919



18.5151, 18.1894, 21.3297



25.3337, 12.6228, 20.9397



2.5178, 1.2495, 2.3082

Previews

White Background



This preview shows how the XYZ color 77.6466, 69.6155, 89.4655 looks on a white background.

Color Contrast Check

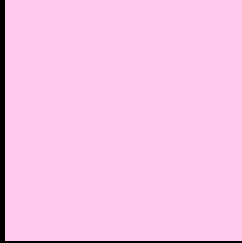
Large Text (above 18pt) WCAG AA × Fail

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 77.6466, 69.6155, 89.4655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

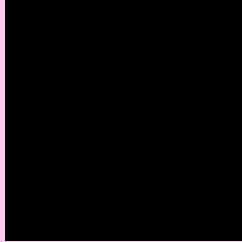
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 77.6466, 69.6155, 89.4655

Background



This preview shows how black text looks on a background with the XYZ color 77.6466, 69.6155, 89.4655.



This preview shows how white text looks on a background with the XYZ color 77.6466, 69.6155,

89.4655.

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

77.6466, 69.6155, 89.4655

Protanopia

68.6310, 69.9117, 97.0658

Deuteranopia

71.2447, 69.5756, 88.2717



Tritanopia

75.3905, 69.7657, 77.8992

Trichromacy



Original Color

77.6466, 69.6155, 89.4655



Protanomaly

71.4668, 69.5536, 94.4525



Deuteranomaly

73.6314, 69.6931, 88.9282



Tritanomaly

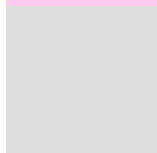
76.3310, 69.8026, 82.1232

Monochromacy



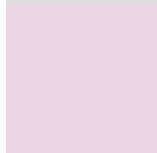
Original Color

77.6466, 69.6155, 89.4655



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

72.0973, 71.6394, 82.7009

CSS Examples

Text

The CSS property to change the color of the text to XYZ 77.6466, 69.6155, 89.4655 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, 202, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 237)  
}
```

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, 202, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 237) }
```

Border

The CSS property to change the border of an element to XYZ 77.6466, 69.6155, 89.4655 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, 202, 237) }
```


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

```
.border{ border-color:rgb(255, 202, 237) }
```

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

Here you see how a box with a 4 pixel rgb(255, 202, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 77.6466, 69.6155, 89.4655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 237) }
```

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

```
.background{ background-color: rgb(255,  
202, 237) }
```

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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