

Converting Colors

XYZ(69.6798, 54.3812, 84.6540)

Have a look what the booklet for
XYZ(69.6798, 54.3812, 84.6540)
contains.

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Color

**XYZ(69.7275, 54.4729,
84.6812)**

Conversions

Conversions Part 1

Format	Color
Hex	FFA6EA
RGB	255, 166, 234
RGB Percent	100%, 65%, 92%
CMY	0.0000, 0.3490, 0.0823
CMYK	0.00, 0.35, 0.08, 0.00
HSL	314°, 100%, 83%
HSV	314°, 35%, 100%
XYZ	69.7275, 54.4729, 84.6812
YIQ	200.3630, 31.2160, 40.0160

Conversions

Conversions Part 2

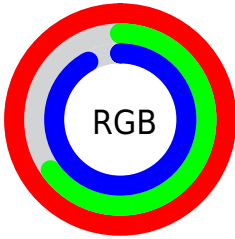
Format	Color
R _Y B	255, 166, 234
Decimal	16754410
CIE Lab	78.74, 42.60, -20.59
CIE LCh	79, 47.312, 334.209
Yxy	54.4729, 0.3338, 0.2608
Android (android.graphics.Color)	4294944490 (0xFFFFA6EA)
YUV	200.3630, 16.5830, 47.9166
Hunter-Lab	73.8058, 39.4766, -16.3625

Details

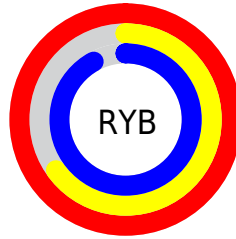
The XYZ color **69.7275, 54.4729, 84.6812** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **60.4573, 83.2157, 59.8922**, and the grayscale version is **55.0121, 57.8770, 63.0280**.

A 20% lighter version of the original color is **85.4113, 80.7226, 105.6871**, and **36.8560, 26.6730, 45.3254** is the 20% darker color. If you saturate the color by 10%, you get **64.6935, 45.7649, 78.8110**, and if you desaturate by 10%, it is **75.7122, 65.0350, 91.0146**.

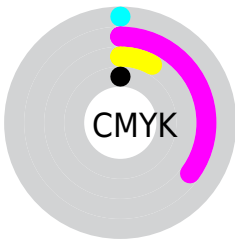
Distribution



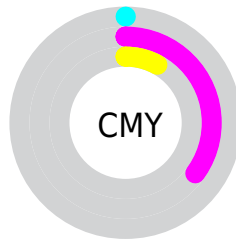
- Red (100%)
- Green (65%)
- Blue (92%)



- Red (100%)
- Yellow (65%)
- Blue (92%)



- Cyan (0%)
- Magenta (35%)
- Yellow (8%)
- Black (0%)





- Cyan (0%)
- Magenta (35%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 69.7275, 54.4729, 84.6812 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 69.7275, 54.4729, 84.6812 by changing the saturation by 10% instead.


 69.7275, 54.4729,
84.6812


 69.7275, 54.4729,
84.6812


448.8740,
403.9108, 530.6896

 51.5832, 38.9799,
63.0294


 117.8485, 96.7682,
141.7979

 36.8959, 26.7441,
45.4238


 148.5558,
124.3393, 178.0998

 25.3002, 17.3811,
31.4460


184.1816,
156.7052, 220.1222

 16.4308, 10.5066,
20.6774

225.0911,
194.2504, 268.2835

 9.9223, 5.7361,
12.6995

271.6498,
237.3591, 323.0024

 5.4093, 2.6853,
7.0936


324.2229,


 2.5266, 0.9697,


286.4158, 384.6974


3.4414


383.1759,
341.8049, 453.7869

 0.9087, 0.0000,
1.3242


 0.0000, 0.0000,
0.0815

 69.7275, 54.4729,
84.6812


 69.7275, 54.4729,
84.6812


 64.6935, 45.7649,
78.8110


 75.7122, 65.0350,
91.0146

 60.5518, 38.7950,
73.3809

 82.6943, 77.5447,
97.8260

 57.2428, 33.4445,
68.3704

 90.7218, 92.0974,
105.1336

 54.6983, 29.5773,
63.7552

95.0500, 100.0000,
108.9000

■ 52.8384, 27.0344,
59.5073

■ 51.5654, 25.6206,
55.5926

■ 51.0712, 25.1925,
53.7002

Harmonies

Analogous

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



62.5658, 54.4729, 112.9602



69.7275, 54.4729, 84.6812



71.8762, 54.4729, 55.6091

Triad

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



69.7275, 54.4729, 84.6812



50.4653, 54.4729, 21.3295



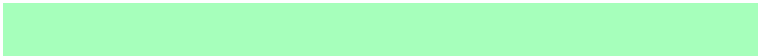
38.2726, 54.4729, 93.2627

Complementary

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



69.7275, 54.4729, 84.6812



60.4573, 83.2157, 59.8922

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.



35.8212, 54.4729, 63.1752



69.7275, 54.4729, 84.6812



42.3020, 54.4729, 26.0834

Square

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



69.7275, 54.4729, 84.6812



60.0062, 54.4729, 23.9566



37.2029, 54.4729, 39.5945



44.3329, 54.4729, 118.8721

Rectangle

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



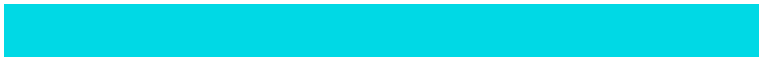
69.7275, 54.4729, 84.6812



69.9840, 54.4729, 40.5881



37.2029, 54.4729, 39.5945



37.0347, 54.4729, 83.0559

Sweetspot

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



69.7287, 54.4751, 84.6823



86.4941, 84.4142, 101.3435



52.1248, 45.0305, 100.5522



18.2744, 17.6355, 21.4731



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.



69.7287, 54.4751, 84.6823



66.0591, 48.1064, 80.4671



64.1429, 52.2408, 55.2677



18.5986, 18.2227, 21.7693



26.7467, 13.1880, 28.3801



2.6464, 1.3009, 2.9851

Inverse Universe

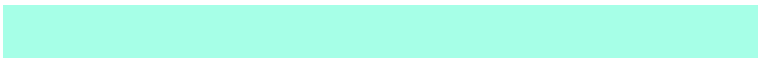
The Inverse Universe completely reimagines the original color for something new.



69.7287, 54.4751, 84.6823



66.0591, 48.1064, 80.4671



65.9488, 85.4123, 88.8104



18.5986, 18.2227, 21.7693



26.7467, 13.1880, 28.3801



2.6464, 1.3009, 2.9851

Previews

White Background



This preview shows how the XYZ color 69.7275, 54.4729, 84.6812 looks on a white background.

Color Contrast Check

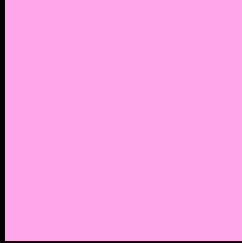
Large Text (above 18pt) WCAG AA × Fail

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 69.7275, 54.4729, 84.6812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

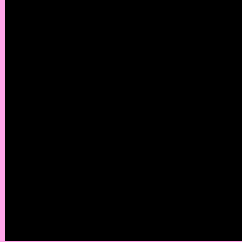
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 69.7275, 54.4729, 84.6812

Background



This preview shows how black text looks on a background with the XYZ color 69.7275, 54.4729, 84.6812.



This preview shows how white text looks on a background with the XYZ color 69.7275, 54.4729,

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

69.7275, 54.4729, 84.6812

Protanopia

55.6220, 54.9351, 100.6004

Deuteranopia

56.0624, 54.9245, 81.7754



Tritanopia

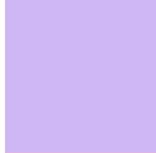
63.4740, 54.4305, 54.7377

Trichromacy



Original Color

69.7275, 54.4729, 84.6812



Protanomaly

59.3002, 53.7862, 94.4451



Deuteranomaly

60.3652, 54.2855, 82.8979



Tritanomaly

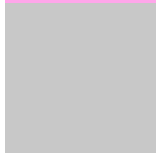
65.5556, 54.4221, 64.8070

Monochromacy



Original Color

69.7275, 54.4729, 84.6812



Achromatopsia

54.8990, 57.7580, 62.8985



Achromatomaly

59.3821, 55.9355, 69.9542

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.7275, 54.4729, 84.6812 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, 166, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 166, 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, 166, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 166, 234) }
```

Border

The CSS property to change the border of an element to XYZ 69.7275, 54.4729, 84.6812 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, 166, 234) }
```


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

```
.border{ border-color:rgb(255, 166, 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, 166, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 166, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 166, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 166,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 69.7275, 54.4729, 84.6812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 166, 234) }
```

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

```
.background{ background-color: rgb(255,  
166, 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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