

# Converting Colors

XYZ(67.8624, 54.8913, 76.9284)

Have a look what the booklet for  
XYZ(67.8624, 54.8913, 76.9284)  
contains.

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# Color

**XYZ(67.8389, 54.7726,  
76.8087)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | FCAADF                     |
| RGB           | 252, 170, 223              |
| RGB Percent   | 99%, 67%, 87%              |
| CMY           | 0.0118, 0.3333, 0.1255     |
| CMYK          | 0.00, 0.33, 0.12, 0.01     |
| HSL           | 321°, 93%, 83%             |
| HSV           | 321°, 33%, 99%             |
| XYZ           | 67.8389, 54.7726, 76.8087  |
| YIQ           | 200.5600, 31.8590, 33.8670 |

# Conversions

## Conversions Part 2

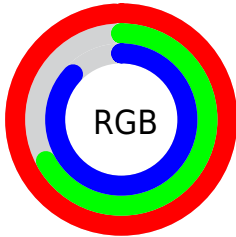
| Format                              | Color                         |
|-------------------------------------|-------------------------------|
| R <sub>YB</sub>                     | 252, 170, 223                 |
| Decimal                             | 16558815                      |
| CIE Lab                             | 78.91, 37.74, -14.40          |
| CIE LCh                             | 79, 40.397, 339.116           |
| Yxy                                 | 54.7726, 0.3402,<br>0.2747    |
| Android<br>(android.graphics.Color) | 4294748895<br>(0xFFFCADF)     |
| YUV                                 | 200.5600, 11.0629,<br>45.1129 |
| Hunter-Lab                          | 74.0085, 34.1047,<br>-9.7273  |

# Details

The XYZ color **67.8389, 54.7726, 76.8087** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.6991, 82.2920, 66.6685**, and the grayscale version is **55.1665, 58.0395, 63.2050**.

A 20% lighter version of the original color is **86.4864, 82.8727, 106.0455**, and **35.6773, 27.0191, 40.3806** is the 20% darker color. If you saturate the color by 10%, you get **62.3899, 45.7467, 69.2191**, and if you desaturate by 10%, it is **74.2598, 65.6396, 85.0355**.

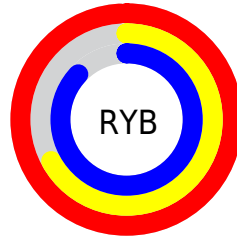
# Distribution



Red (99%)

Green (67%)

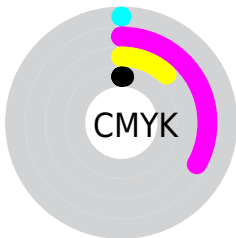
Blue (87%)



Red (99%)

Yellow (67%)

Blue (87%)

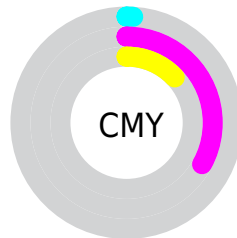


Cyan (0%)

Magenta (33%)

Yellow (12%)

Black (1%)



Cyan (1%)

Magenta (33%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 67.8389, 54.7726, 76.8087 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 67.8389, 54.7726, 76.8087 by changing the saturation by 10% instead.



67.8389, 54.7726,  
76.8087

67.8389, 54.7726,  
76.8087

442.3107,  
405.0494, 503.5319

50.0399, 39.2197,  
56.5853

115.1648, 97.2077,  
130.6400

35.6630, 26.9307,  
40.2652

145.4224,  
124.8587, 165.0848

24.3430, 17.5212,  
27.4300

180.5636,  
157.3111, 205.1073

15.7143, 10.6068,  
17.6612

220.9538,  
194.9495, 251.1258

9.4118, 5.8031,  
10.5401

266.9582,  
238.1580, 303.5590

5.0700, 2.7257,  
5.6482

318.9422,

2.3236, 0.9903,

287.3213, 362.8254

2.5671

377.2713,  
342.8236, 429.3435

0.8067, 0.0000,  
0.8754

0.0000, 0.0000,  
0.0000

67.8389, 54.7726,  
76.8087

67.8389, 54.7726,  
76.8087

62.3899, 45.7467,  
69.2191

74.2598, 65.6396,  
85.0355

57.8551, 38.4502,  
62.2411

81.6965, 78.4360,  
93.9171

54.1779, 32.7709,  
55.8514

90.1959, 93.2537,  
103.4743

51.2932, 28.5801,  
50.0234

93.9553, 99.4356,  
108.8488

■ 49.1260, 25.7294,  
44.7270

■ 47.5856, 24.0391,  
39.9267

■ 46.7448, 23.3355,  
36.6313

# Harmonies

## Analogous

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



62.4082, 54.7726, 100.8888



67.8389, 54.7726, 76.8087



68.8199, 54.7726, 52.9102

# Triad

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



67.8389, 54.7726, 76.8087



49.6543, 54.7726, 25.7944



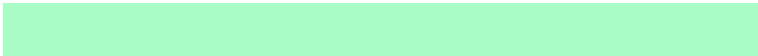
40.9876, 54.7726, 92.0686

# Complementary

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



67.8389, 54.7726, 76.8087



61.6991, 82.2920, 66.6685

# 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.



38.2688, 54.7726, 66.9133



67.8389, 54.7726, 76.8087



42.9235, 54.7726, 31.5143

# Square

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



67.8389, 54.7726, 76.8087



57.7530, 54.7726, 27.1581



38.9392, 54.7726, 45.2384



46.7534, 54.7726, 111.1539



# Rectangle

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



67.8389, 54.7726, 76.8087



66.7287, 54.7726, 40.6249



38.9392, 54.7726, 45.2384



39.7154, 54.7726, 83.8143

# Sweetspot

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



67.8405, 54.7751, 76.8098



86.0295, 84.2284, 98.8971



55.4215, 47.8817, 98.4174



18.1617, 17.5904, 20.8792



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.



67.8405, 54.7751, 76.8098



65.9484, 50.0443, 73.7734



62.9962, 52.8374, 51.2999



17.7171, 17.4142, 20.3661



24.4223, 12.1847, 19.4642



2.3123, 1.1486, 2.0678



# Inverse Universe

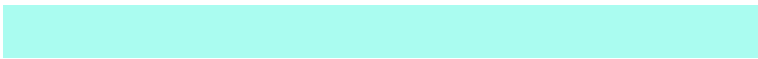
The Inverse Universe completely reimagines the original color for something new.



67.8405, 54.7751, 76.8098



65.9484, 50.0443, 73.7734



67.0735, 84.4418, 94.9698



17.7171, 17.4142, 20.3661



24.4223, 12.1847, 19.4642



2.3123, 1.1486, 2.0678



# Previews

## White Background



This preview shows how the XYZ color 67.8389, 54.7726, 76.8087 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

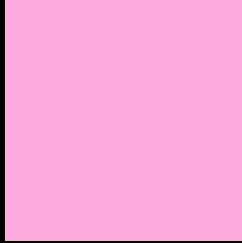
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 67.8389, 54.7726, 76.8087 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

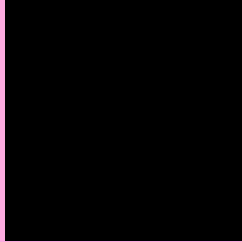
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 67.8389, 54.7726, 76.8087**

## **Background**



This preview shows how black text looks on a background with the XYZ color 67.8389, 54.7726, 76.8087.



This preview shows how white text looks on a background with the XYZ color 67.8389, 54.7726,



# 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

67.8389, 54.7726, 76.8087

### Protanopia

55.1215, 55.2547, 89.4214

### Deuteranopia

56.3188, 55.2134, 74.7068



## Tritanopia

63.5310, 54.7248, 55.9297

# Trichromacy



## Original Color

67.8389, 54.7726, 76.8087



## Protanomaly

58.6353, 54.2828, 84.4780



## Deuteranomaly

59.6705, 54.4064, 75.0667



## Tritanomaly

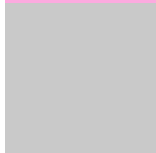
64.8636, 54.6761, 63.0120

# Monochromacy



## Original Color

67.8389, 54.7726, 76.8087



## Achromatopsia

55.5167, 58.4078, 63.6061



## Achromatomaly

59.4373, 56.6460, 68.1227

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 67.8389, 54.7726, 76.8087 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(252, 170, 223) looks like.

```
.text, #text, p{  
    color:rgb(252, 170, 223)  
}
```

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(252, 170, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 170, 223) }
```

## Border

The CSS property to change the border of an element to XYZ 67.8389, 54.7726, 76.8087 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(252, 170, 223) }
```



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

```
.border{ border-color:rgb(252, 170, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 170, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 170, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 170, 223);  
box-shadow:4px 4px 4px 4px rgb(252, 170,  
223) }
```

# Background

The CSS property to change the background color of an element to XYZ 67.8389, 54.7726, 76.8087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 170, 223) }
```

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

```
.background{ background-color: rgb(252,  
170, 223) }
```

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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