

# Converting Colors

XYZ(74.9421, 64.9019, 86.4205)

Have a look what the booklet for  
XYZ(74.9421, 64.9019, 86.4205)  
contains.

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# Color

**XYZ(74.9409, 64.8998,  
86.4190)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFC0EA
RGB	255, 192, 234
RGB Percent	100%, 75%, 92%
CMY	0.0000, 0.2470, 0.0823
CMYK	0.00, 0.25, 0.08, 0.00
HSL	320°, 100%, 88%
HSV	320°, 25%, 100%
XYZ	74.9409, 64.8998, 86.4190
YIQ	215.6250, 24.0660, 26.4180

# Conversions

## Conversions Part 2

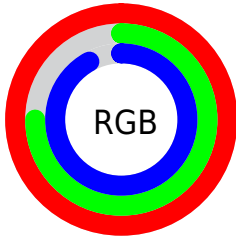
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 192, 234
Decimal	16761066
CIE Lab	84.43, 29.02, -12.02
CIE LCh	84, 31.409, 337.509
Yxy	64.8998, 0.3312, 0.2868
Android (android.graphics.Color)	4294951146 (0xFFFFC0EA)
YUV	215.6250, 9.0589, 34.5319
Hunter-Lab	80.5604, 25.0680, -7.2095

# Details

The XYZ color **74.9409, 64.8998, 86.4190** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **69.5106, 87.5316, 76.1857**, and the grayscale version is **64.9455, 68.3278, 74.4089**.

A 20% lighter version of the original color is **93.1657, 96.2314, 108.2719**, and **40.4131, 33.3971, 46.4358** is the 20% darker color. If you saturate the color by 10%, you get **68.6274, 54.1804, 78.4337**, and if you desaturate by 10%, it is **82.2859, 77.5880, 95.0389**.

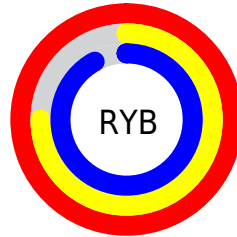
# Distribution



Red (100%)

Green (75%)

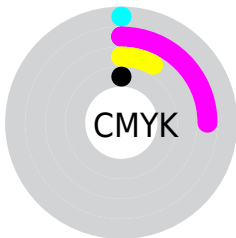
Blue (92%)



Red (100%)

Yellow (75%)

Blue (92%)

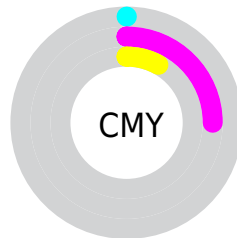


Cyan (0%)

Magenta (25%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (25%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9409, 64.8998, 86.4190 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 74.9409, 64.8998, 86.4190 by changing the saturation by 10% instead.





 74.9409, 64.8998,  
86.4190

 74.9409, 64.8998,  
86.4190


466.7147,  
442.4318, 536.5784

 55.8585, 47.3798,  
64.4576


 125.2171,  
111.9058, 144.2458

 40.3260, 33.3360,  
46.5729

157.1415,  
142.1606, 180.9482

 27.9782, 22.3840,  
32.3462


194.0773,  
177.4292, 223.4015

 18.4496, 14.1393,  
21.3591

236.3899,  
218.0958, 272.0241

 11.3749, 8.2176,  
13.1929

284.4446,  
264.5451, 327.2345

 6.3887, 4.2345,  
7.4292

338.6067,

 3.1257, 1.8056,

317.1612, 389.4513

3.6495

399.2416,  
376.3286, 459.0931

■ 1.2206, 0.4907,  
1.4351

■ 0.1225, 0.0000,  
0.1689

■ 74.9409, 64.8998,  
86.4190

■ 74.9409, 64.8998,  
86.4190

■ 68.6274, 54.1804,  
78.4337

■ 82.2859, 77.5880,  
95.0389

■ 63.2902, 45.3213,  
71.0581

■ 90.7053, 92.3299,  
104.3091

■ 58.8754, 38.2159,  
64.2710

95.0500, 100.0000,  
108.9000

■ 55.3220, 32.7435,  
58.0479

■ 52.5611, 28.7677,  
52.3614

■ 50.5129, 26.1303,  
47.1807

■ 49.0792, 24.6364,  
42.4684

■ 48.4954, 24.1622,  
40.1364

# Harmonies

## Analogous

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



70.2271, 64.8998, 105.7675



74.9409, 64.8998, 86.4190



75.9773, 64.8998, 65.7581

# Triad

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



74.9409, 64.8998, 86.4190



59.9473, 64.8998, 38.9864



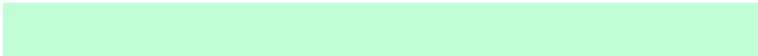
51.6357, 64.8998, 96.7592

# Complementary

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



74.9409, 64.8998, 86.4190



69.5106, 87.5316, 76.1857

# 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.



49.3084, 64.8998, 75.8099



74.9409, 64.8998, 86.4190



53.8659, 64.8998, 44.3402

# Square

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



74.9409, 64.8998, 86.4190



66.9654, 64.8998, 40.7583



50.0929, 64.8998, 56.9521



56.6903, 64.8998, 112.4798



# Rectangle

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



74.9409, 64.8998, 86.4190



74.3767, 64.8998, 54.3505



50.0929, 64.8998, 56.9521



50.5266, 64.8998, 89.9552

# Sweetspot

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



74.9424, 64.9025, 86.4203



88.6743, 88.7579, 102.1216



64.3427, 59.0686, 102.6179



18.8678, 18.8009, 21.7364



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.



74.9424, 64.9025, 86.4203



71.4727, 58.9852, 82.1128



70.8115, 63.2501, 64.6674



18.5201, 18.1914, 21.3562



25.4121, 12.6541, 21.3522



2.5250, 1.2524, 2.3463



# Inverse Universe

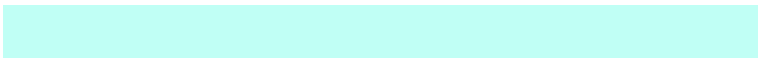
The Inverse Universe completely reimagines the original color for something new.



74.9424, 64.9025, 86.4203



71.4727, 58.9852, 82.1128



73.9051, 89.2894, 99.3267



18.5201, 18.1914, 21.3562



25.4121, 12.6541, 21.3522



2.5250, 1.2524, 2.3463



# Previews

## White Background



This preview shows how the XYZ color 74.9409, 64.8998, 86.4190 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

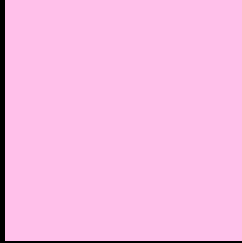
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9409, 64.8998, 86.4190 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 74.9409, 64.8998, 86.4190**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9409, 64.8998, 86.4190.



This preview shows how white text looks on a background with the XYZ color 74.9409, 64.8998,



# 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

74.9409, 64.8998, 86.4190

### Protanopia

64.1837, 65.0309, 95.5556

### Deuteranopia

66.5210, 65.0184, 85.3877



## Tritanopia

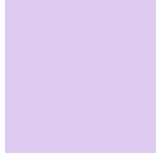
71.6427, 64.8785, 70.3748

# Trichromacy



## Original Color

74.9409, 64.8998, 86.4190



## Protanomaly

67.6645, 64.7507, 92.1509



## Deuteranomaly

69.2939, 64.6842, 85.9239



## Tritanomaly

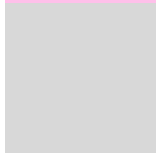
72.8093, 65.0273, 75.7319

# Monochromacy



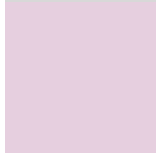
## Original Color

74.9409, 64.8998, 86.4190



## Achromatopsia

65.2694, 68.6685, 74.7800



## Achromatomaly

68.2652, 66.7764, 79.1032

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9409, 64.8998, 86.4190 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, 192, 234)` looks like.

```
.text, #text, p{  
    color:rgb(255, 192, 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, 192, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 192, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9409, 64.8998, 86.4190 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, 192, 234) }
```



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

```
.border{ border-color:rgb(255, 192, 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, 192, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 192, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 192, 234);  
box-shadow:4px 4px 4px 4px rgb(255, 192,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9409, 64.8998, 86.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 192, 234) }
```

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

```
.background{ background-color: rgb(255,  
192, 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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