

# Converting Colors

XYZ(74.9517, 64.3748,  
103.0829)

Have a look what the booklet for  
XYZ(74.9517, 64.3748, 103.0829)  
contains.

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# **Color**

**XYZ(74.9057, 64.5121,  
103.1119)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F6C0FF
RGB	246, 192, 255
RGB Percent	96%, 75%, 100%
CMY	0.0353, 0.2470, 0.0000
CMYK	0.04, 0.25, 0.00, 0.00
HSL	291°, 100%, 88%
HSV	291°, 25%, 100%
XYZ	74.9057, 64.5121, 103.1119
YIQ	215.3280, 11.9610, 31.0410

# Conversions

## Conversions Part 2

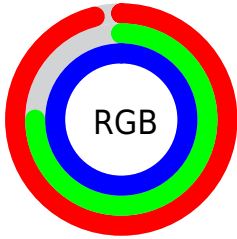
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 192, 255
Decimal	16171263
CIE <sub>Lab</sub>	84.23, 29.81, -23.59
CIE <sub>LCh</sub>	84, 38.015, 321.646
Y <sub>xy</sub>	64.5121, 0.3089, 0.2660
Android (android.graphics.Color)	4294361343 (0xFFFF6C0FF)
YUV	215.3280, 19.5583, 26.8993
Hunter-Lab	80.3194, 25.9097, -19.8913

# Details

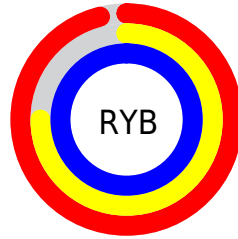
The XYZ color **74.9057, 64.5121, 103.1119** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **69.3633, 87.7440, 63.1527**, and the grayscale version is **64.6811, 68.0495, 74.1059**.

A 20% lighter version of the original color is **93.1657, 96.2314, 108.2719**, and **40.2678, 33.0730, 57.6875** is the 20% darker color. If you saturate the color by 10%, you get **68.5198, 53.6175, 101.3456**, and if you desaturate by 10%, it is **82.2903, 77.3650, 105.2035**.

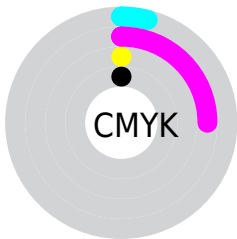
# Distribution



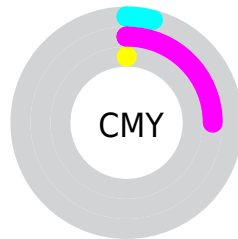
- Red (96%)
- Green (75%)
- Blue (100%)



- Red (96%)
- Yellow (75%)
- Blue (100%)



- Cyan (4%)
- Magenta (25%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (25%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9057, 64.5121, 103.1119 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 74.9057, 64.5121, 103.1119 by changing the saturation by 10% instead.



74.9057, 64.5121,  
103.1119

74.9057, 64.5121,  
103.1119

466.5956,  
441.0366, 591.4560

55.8295, 47.0656,  
78.2706

125.1675,  
111.3481, 167.5162

40.3027, 33.0875,  
57.7786

157.0838,  
141.5064, 207.9162

27.9599, 22.1935,  
41.2171

194.0109,  
176.6707, 254.3397

18.4358, 13.9991,  
28.1678

236.3142,  
217.2254, 307.2050

11.3649, 8.1201,  
18.2120

284.3589,  
263.5550, 366.9307

6.3819, 4.1719,  
10.9313

338.5105,

3.1215, 1.7702,

316.0438, 433.9355

5.9071

399.1342,  
375.0762, 508.6377

■ 1.2183, 0.4685,  
2.7208

■ 0.1208, 0.0000,  
0.9539

■ 74.9057, 64.5121,  
103.1119

■ 74.9057, 64.5121,  
103.1119

■ 68.5198, 53.6175,  
101.3456

■ 82.2903, 77.3650,  
105.2035

■ 63.0768, 44.5729,  
99.8866

■ 90.7147, 92.2609,  
107.6347

■ 58.5242, 37.2719,  
98.7174

95.0500, 100.0000,  
108.9000

■ 54.8013, 31.5942,  
97.8177

■ 51.8403, 27.4037,  
97.1649

■ 49.5619, 24.5423,  
96.7327

■ 47.8688, 22.8155,  
96.4886

■ 47.1360, 22.2144,  
96.4112

# Harmonies

## Analogous

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



67.4833, 64.5121, 122.7391



74.9057, 64.5121, 103.1119



78.7656, 64.5121, 77.1950

# Triad

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



74.9057, 64.5121, 103.1119



63.6986, 64.5121, 33.6369



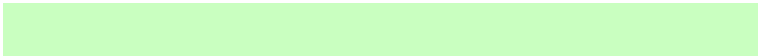
47.4692, 64.5121, 88.7670

# Complementary

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



74.9057, 64.5121, 103.1119



69.3633, 87.7440, 63.1527

# 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.



46.6563, 64.5121, 63.7209



74.9057, 64.5121, 103.1119



55.5380, 64.5121, 35.3656

# Square

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



74.9057, 64.5121, 103.1119



71.9188, 64.5121, 39.8014



49.4796, 64.5121, 45.2261



51.8116, 64.5121, 113.2256



# Rectangle

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



74.9057, 64.5121, 103.1119



78.5750, 64.5121, 61.2945



49.4796, 64.5121, 45.2261



46.7910, 64.5121, 80.0220

# Sweetspot

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



74.9075, 64.5148, 103.1123



88.6858, 88.6549, 107.0456



60.7824, 60.4127, 103.0650



18.8703, 18.7769, 22.8797



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.



74.9075, 64.5148, 103.1123



71.4036, 58.5063, 102.1372



74.7919, 64.8421, 85.6286



18.5226, 18.1611, 22.7792



24.7273, 11.6579, 50.3815



2.4744, 1.1695, 4.9086



# Inverse Universe

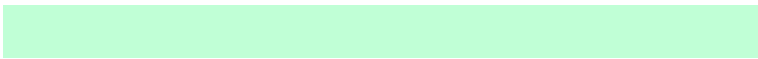
The Inverse Universe completely reimagines the original color for something new.



70.6338, 63.1788, 63.7324



66.4918, 56.9928, 55.8838



69.6440, 87.5849, 76.8891



18.1150, 18.0293, 19.2230



21.7503, 11.1894, 2.0697

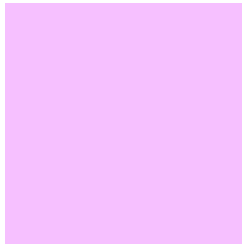


2.1480, 1.1016, 0.3609



# Previews

## White Background



This preview shows how the XYZ color 74.9057, 64.5121, 103.1119 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

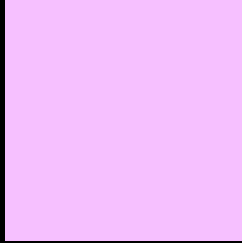
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9057, 64.5121, 103.1119 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 74.9057, 64.5121, 103.1119**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9057, 64.5121, 103.1119.



This preview shows how white text looks on a background with the XYZ color 74.9057, 64.5121,



# 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

74.9057, 64.5121, 103.1119

### Protanopia

64.4037, 64.9630, 103.7524

### Deuteranopia

66.2203, 64.8725, 101.1269



## Tritanopia

68.6243, 64.2784, 73.0801

# Trichromacy



## Original Color

74.9057, 64.5121, 103.1119



## Protanomaly

67.7248, 64.5308, 103.4939



## Deuteranomaly

69.0477, 64.5531, 101.7493



## Tritanomaly

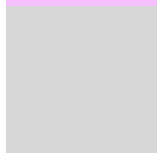
70.6408, 64.0703, 83.5065

# Monochromacy



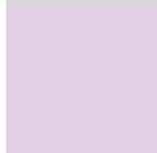
## Original Color

74.9057, 64.5121, 103.1119



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

67.9598, 66.5076, 84.1183

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9057, 64.5121, 103.1119 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(246, 192, 255)` looks like.

```
.text, #text, p{  
    color:rgb(246, 192, 255)  
}
```

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(246, 192, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 192, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9057, 64.5121, 103.1119 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(246, 192, 255) }
```



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

```
.border{ border-color:rgb(246, 192, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 192, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 192, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 192, 255);  
box-shadow:4px 4px 4px 4px rgb(246, 192,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9057, 64.5121, 103.1119 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 192, 255) }
```

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

```
.background{ background-color: rgb(246,  
192, 255) }
```

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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