

# Converting Colors

XYZ(71.7529, 64.5143, 84.9422)

Have a look what the booklet for  
XYZ(71.7529, 64.5143, 84.9422)  
contains.

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# Color

**XYZ(71.9616, 64.7185,  
85.0431)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5C4E8
RGB	245, 196, 232
RGB Percent	96%, 77%, 91%
CMY	0.0392, 0.2314, 0.0902
CMYK	0.00, 0.20, 0.05, 0.04
HSL	316°, 71%, 86%
HSV	316°, 20%, 96%
XYZ	71.9616, 64.7185, 85.0431
YIQ	214.7550, 17.6480, 21.5840

# Conversions

## Conversions Part 2

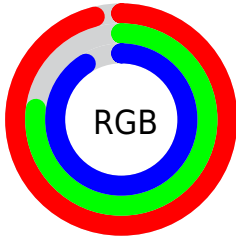
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	245, 196, 232
Decimal	16106728
CIE Lab	84.34, 23.22, -11.19
CIE LCh	84, 25.774, 334.272
Yxy	64.7185, 0.3246, 0.2919
Android (android.graphics.Color)	4294296808 (0xFFFF5C4E8)
YUV	214.7550, 8.5018, 26.5249
Hunter-Lab	80.4478, 18.8869, -6.3633

# Details

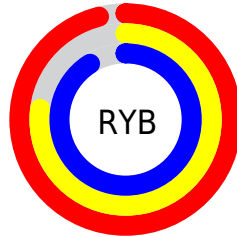
The XYZ color **71.9616, 64.7185, 85.0431** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **66.9285, 81.6459, 72.5570**, and the grayscale version is **64.3632, 67.7151, 73.7417**.

A 20% lighter version of the original color is **94.4153, 98.7306, 108.6884**, and **38.2485, 33.1720, 45.4612** is the 20% darker color. If you saturate the color by 10%, you get **65.9743, 54.1935, 78.5760**, and if you desaturate by 10%, it is **78.8893, 77.0676, 91.9937**.

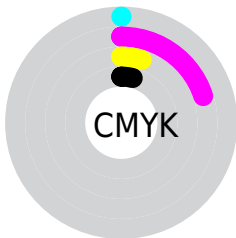
# Distribution



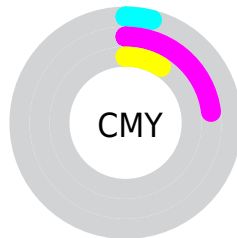
- Red (96%)
- Green (77%)
- Blue (91%)



- Red (96%)
- Yellow (77%)
- Blue (91%)



- Cyan (0%)
- Magenta (20%)
- Yellow (5%)
- Black (4%)



- Cyan (4%)
- Magenta (23%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.9616, 64.7185, 85.0431 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 71.9616, 64.7185, 85.0431 by changing the saturation by 10% instead.



71.9616, 64.7185,  
85.0431

71.9616, 64.7185,  
85.0431

456.5676,  
441.7797, 531.9190

53.4127, 47.2329,  
63.3266

121.0130,  
111.6451, 142.3081

38.3611, 33.2198,  
45.6628

152.2462,  
141.8547, 178.6937

26.4415, 22.2949,  
31.6331

188.4382,  
177.0746, 220.8061

17.2887, 14.0737,  
20.8189

229.9544,  
217.6890, 269.0638

10.5371, 8.1720,  
12.8017

277.1600,  
264.0823, 323.8855

5.8215, 4.2052,  
7.1630


330.4206,


2.7765, 1.7890,


316.6389, 385.6895


3.4843


390.1013,  
375.7432, 454.8945


 1.0367, 0.4803,  
1.3469

 0.0000, 0.0000,  
0.0998


 71.9616, 64.7185,  
85.0431

 71.9616, 64.7185,  
85.0431


 65.9743, 54.1935,  
78.5760


 78.8893, 77.0676,  
91.9937

 60.8774, 45.3963,  
72.5716

 86.7926, 91.3138,  
99.4391

 56.6252, 38.2349,  
67.0138

 90.9087, 97.9295,  
105.7941

 53.1652, 32.6052,  
61.8831

 91.4667, 98.1527,  
108.7323

■ 50.4393, 28.3911,  
57.1582

■ 48.3805, 25.4599,  
52.8150

■ 46.9097, 23.6533,  
48.8250

■ 45.8945, 22.7080,  
45.1422

■ 45.8944, 22.7078,  
45.1416

# Harmonies

## Analogous

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



67.9160, 64.7185, 99.8307



71.9616, 64.7185, 85.0431



73.1445, 64.7185, 68.1472

# Triad

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



71.9616, 64.7185, 85.0431



60.6974, 64.7185, 43.4944



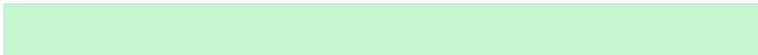
52.8652, 64.7185, 89.7331

# Complementary

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



71.9616, 64.7185, 85.0431



66.9285, 81.6459, 72.5570

# 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.



51.1849, 64.7185, 72.8397



71.9616, 64.7185, 85.0431



55.5256, 64.7185, 47.5130

# Square

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



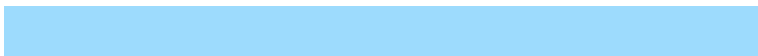
71.9616, 64.7185, 85.0431



66.4115, 64.7185, 45.7317



52.1281, 64.7185, 57.6603



56.8614, 64.7185, 102.8195



# Rectangle

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



71.9616, 64.7185, 85.0431



72.0928, 64.7185, 58.2972



52.1281, 64.7185, 57.6603



52.0225, 64.7185, 84.2235

# Sweetspot

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



71.9635, 64.7214, 85.0445



89.7150, 90.3650, 103.9313



62.3069, 59.5218, 94.5922



19.0835, 19.1273, 22.1324



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.



71.9635, 64.7214, 85.0445



76.0321, 65.9725, 90.2036



68.8144, 63.4617, 68.4612



17.0149, 16.6888, 19.8253



24.7842, 12.2571, 24.6359



2.2206, 1.0942, 2.3882



# Inverse Universe

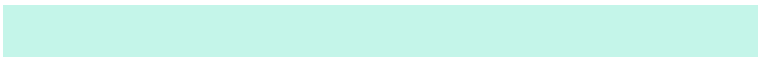
The Inverse Universe completely reimagines the original color for something new.



71.9635, 64.7214, 85.0445



76.0321, 65.9725, 90.2036



70.0918, 82.9112, 89.2147



17.0149, 16.6888, 19.8253



24.7842, 12.2571, 24.6359



2.2206, 1.0942, 2.3882



# Previews

## White Background



This preview shows how the XYZ color 71.9616, 64.7185, 85.0431 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

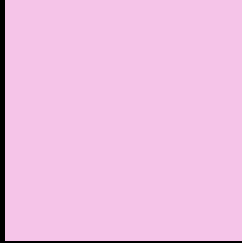
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.9616, 64.7185, 85.0431 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 71.9616, 64.7185, 85.0431**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.9616, 64.7185, 85.0431.



This preview shows how white text looks on a background with the XYZ color 71.9616, 64.7185,

85.0431.

# 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

71.9616, 64.7185, 85.0431

### Protanopia

63.9822, 65.0140, 91.6148

### Deuteranopia

66.2385, 64.9054, 83.8998



## Tritanopia

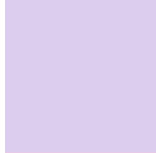
69.5232, 64.7566, 72.4533

# Trichromacy



## Original Color

71.9616, 64.7185, 85.0431



## Protanomaly

66.3941, 64.5158, 89.0742



## Deuteranomaly

68.1775, 64.8336, 84.5221



## Tritanomaly

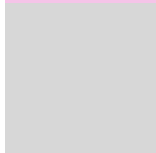
70.5535, 64.8417, 77.2037

# Monochromacy



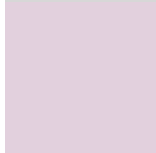
## Original Color

71.9616, 64.7185, 85.0431



## Achromatopsia

64.5905, 67.9542, 74.0022



## Achromatomaly

66.9711, 66.5010, 77.7128

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.9616, 64.7185, 85.0431 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(245, 196, 232)` looks like.

```
.text, #text, p{  
    color:rgb(245, 196, 232)  
}
```

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(245, 196, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 196, 232) }
```

## Border

The CSS property to change the border of an element to XYZ 71.9616, 64.7185, 85.0431 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(245, 196, 232) }
```



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

```
.border{ border-color:rgb(245, 196, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 196, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 196, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 196, 232);  
box-shadow:4px 4px 4px 4px rgb(245, 196,  
232) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.9616, 64.7185, 85.0431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 196, 232) }
```

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

```
.background{ background-color: rgb(245,  
196, 232) }
```

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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