

# Converting Colors

XYZ(71.8946, 67.9871, 75.6990)

Have a look what the booklet for  
XYZ(71.8946, 67.9871, 75.6990)  
contains.

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# Color

**XYZ(71.7944, 67.9577,  
75.6628)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4CDDA
RGB	244, 205, 218
RGB Percent	96%, 80%, 85%
CMY	0.0431, 0.1961, 0.1451
CMYK	0.00, 0.16, 0.11, 0.04
HSL	340°, 64%, 88%
HSV	340°, 16%, 96%
XYZ	71.7944, 67.9577, 75.6628
YIQ	218.1430, 19.0710, 12.3110

# Conversions

## Conversions Part 2

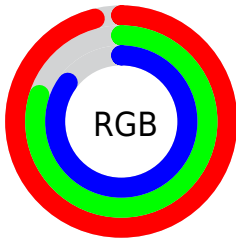
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 205, 218
Decimal	16043482
CIE <sub>Lab</sub>	85.99, 15.77, -1.31
CIE <sub>LCh</sub>	86, 15.822, 355.244
Yxy	67.9577, 0.3333, 0.3155
Android (android.graphics.Color)	4294233562 (0xFFF4CDDA)
YUV	218.1430, -0.0705, 22.6766
Hunter-Lab	82.4365, 11.1929, 3.2873

# Details

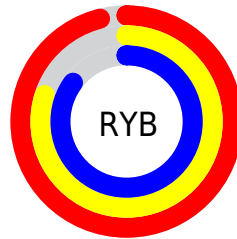
The XYZ color **71.7944, 67.9577, 75.6628** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **71.9540, 83.4517, 87.9207**, and the grayscale version is **66.7320, 70.2073, 76.4558**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.1710, 35.3424, 39.4603** is the 20% darker color. If you saturate the color by 10%, you get **64.3814, 56.3725, 63.1991**, and if you desaturate by 10%, it is **80.3304, 81.4528, 89.5334**.

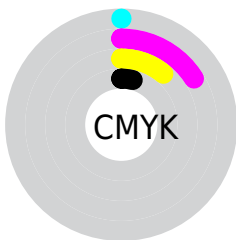
# Distribution



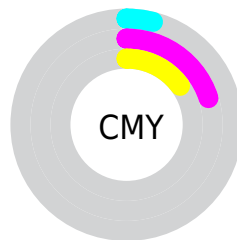
- Red (96%)
- Green (80%)
- Blue (85%)



- Red (96%)
- Yellow (80%)
- Blue (85%)



- Cyan (0%)
- Magenta (16%)
- Yellow (11%)
- Black (4%)



- Cyan (4%)
- Magenta (20%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7944, 67.9577, 75.6628 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 71.7944, 67.9577, 75.6628 by changing the saturation by 10% instead.



71.7944, 67.9577,  
75.6628

71.7944, 67.9577,  
75.6628

455.9944,  
453.3461, 499.5087

53.2756, 49.8633,  
55.6511

120.7766,  
116.2916, 129.0059

38.2512, 35.3048,  
39.5211

151.9706,  
147.3000, 163.1742

26.3558, 23.8978,  
26.8544

188.1205,  
183.3818, 202.8986

17.2241, 15.2578,  
17.2324

229.5916,  
224.9214, 248.5975

10.4907, 9.0005,  
10.2366

276.7491,  
272.3032, 300.6893

5.7902, 4.7415,  
5.4485

329.9585,

2.7574, 2.0964,

325.9117, 359.5928

2.4494

389.5852,  
386.1312, 425.7264

■ 1.0268, 0.6626,  
0.8132

■ 0.0000, 0.0000,  
0.0000

■ 71.7944, 67.9577,  
75.6628

■ 71.7944, 67.9577,  
75.6628

■ 64.3814, 56.3725,  
63.1991

■ 80.3304, 81.4528,  
89.5334

■ 58.0376, 46.6017,  
52.0925

■ 90.0287, 96.9298,  
104.8500

■ 52.7133, 38.5550,  
42.2961

■ 91.1185, 97.9733,  
108.7160

■ 48.3524, 32.1309,  
33.7589

■ 44.8931, 27.2170,  
26.4260

■ 42.2662, 23.6863,  
20.2380

■ 40.3913, 21.3910,  
15.1292

■ 39.1703, 20.1483,  
11.0252

■ 38.8056, 19.8321,  
9.6295

# Harmonies

## Analogous

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



70.4929, 67.9577, 85.9753



71.7944, 67.9577, 75.6628



71.1077, 67.9577, 65.7986

# Triad

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



71.7944, 67.9577, 75.6628



61.6628, 67.9577, 57.3583



60.6968, 67.9577, 91.6480

# Complementary

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



71.7944, 67.9577, 75.6628



71.9540, 83.4517, 87.9207

# 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.



58.4866, 67.9577, 82.8440



71.7944, 67.9577, 75.6628



59.0295, 67.9577, 63.1817

# Square

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



71.7944, 67.9577, 75.6628



65.1717, 67.9577, 55.8206



57.8877, 67.9577, 72.3507



64.0152, 67.9577, 95.7380



# Rectangle

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



71.7944, 67.9577, 75.6628



69.6278, 67.9577, 60.6975



57.8877, 67.9577, 72.3507



59.8046, 67.9577, 89.1039

# Sweetspot

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



71.7963, 67.9607, 75.6642



89.7779, 91.5977, 100.5393



71.1178, 67.1865, 94.8087



19.0632, 19.3625, 21.2750



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.



71.7963, 67.9607, 75.6642



76.7223, 70.9793, 79.2543



71.7486, 70.4812, 67.5840



16.7269, 16.5736, 18.3085



21.1567, 10.8061, 5.5334



1.9052, 0.9681, 0.7272



# Inverse Universe

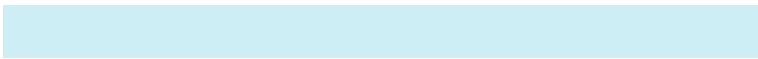
The Inverse Universe completely reimagines the original color for something new.



71.7963, 67.9607, 75.6642



76.7223, 70.9793, 79.2543



71.9374, 80.3710, 97.3103



16.7269, 16.5736, 18.3085



21.1567, 10.8061, 5.5334



1.9052, 0.9681, 0.7272



# Previews

## White Background



This preview shows how the XYZ color 71.7944, 67.9577, 75.6628 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

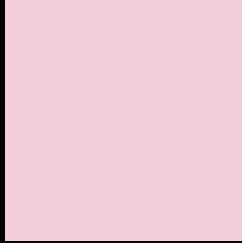
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.7944, 67.9577, 75.6628 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 71.7944, 67.9577, 75.6628**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.7944, 67.9577, 75.6628.



This preview shows how white text looks on a background with the XYZ color 71.7944, 67.9577,

75.6628.

# 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

71.7944, 67.9577, 75.6628

### Protanopia

65.9811, 68.1726, 79.4931

### Deuteranopia

69.3412, 67.7837, 75.0745



## Tritanopia

72.1907, 68.1162, 77.7495

# Trichromacy



## Original Color

71.7944, 67.9577, 75.6628

## Protanomaly

68.0240, 68.1399, 77.9737

## Deuteranomaly

70.0971, 67.8125, 75.0403

## Tritanomaly

72.0578, 68.0630, 77.0498

# Monochromacy



## Original Color

71.7944, 67.9577, 75.6628

## Achromatopsia

66.6397, 70.1102, 76.3500

## Achromatomaly

68.1277, 68.9813, 76.0537

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.7944, 67.9577, 75.6628 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(244, 205, 218)` looks like.

```
.text, #text, p{  
    color:rgb(244, 205, 218)  
}
```

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(244, 205, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 205, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 71.7944, 67.9577, 75.6628 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(244, 205, 218) }
```



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

```
.border{ border-color:rgb(244, 205, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 205, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 205, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 205, 218);  
box-shadow:4px 4px 4px 4px rgb(244, 205,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.7944, 67.9577, 75.6628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 205, 218) }
```

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

```
.background{ background-color: rgb(244,  
205, 218) }
```

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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