

# Converting Colors

XYZ(78.3500, 75.2113, 91.9067)

Have a look what the booklet for  
XYZ(78.3500, 75.2113, 91.9067)  
contains.

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# **Color**

**XYZ(78.1419, 74.9366,  
92.0070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6D8EF
RGB	246, 216, 239
RGB Percent	96%, 85%, 94%
CMY	0.0353, 0.1529, 0.0627
CMYK	0.00, 0.12, 0.03, 0.04
HSL	314°, 63%, 91%
HSV	314°, 12%, 96%
XYZ	78.1419, 74.9366, 92.0070
YIQ	227.5920, 10.4970, 13.5130

# Conversions

## Conversions Part 2

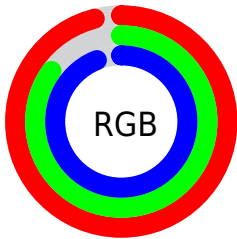
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	246, 216, 239
Decimal	16177391
CIE Lab	89.36, 14.25, -7.42
CIE LCh	89, 16.066, 332.490
Yxy	74.9366, 0.3188, 0.3058
Android (android.graphics.Color)	4294367471 (0xFFFF6D8EF)
YUV	227.5920, 5.6241, 16.1438
Hunter-Lab	86.5659, 9.6392, -2.4205

# Details

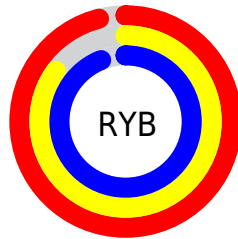
The XYZ color **78.1419, 74.9366, 92.0070** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **74.5969, 85.8403, 82.4533**, and the grayscale version is **73.4016, 77.2242, 84.0971**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5273, 39.8558, 50.2512** is the 20% darker color. If you saturate the color by 10%, you get **71.4712, 62.9300, 85.6658**, and if you desaturate by 10%, it is **85.7874, 88.8475, 98.8079**.

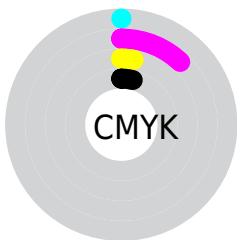
# Distribution



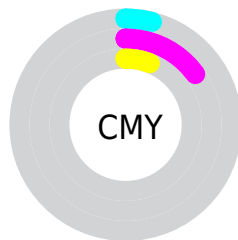
- Red (96%)
- Green (85%)
- Blue (94%)



- Red (96%)
- Yellow (85%)
- Blue (94%)



- Cyan (0%)
- Magenta (12%)
- Yellow (3%)
- Black (4%)




- Cyan (4%)
- Magenta (15%)
- Yellow (6%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1419, 74.9366, 92.0070 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 78.1419, 74.9366, 92.0070 by changing the saturation by 10% instead.



 78.1419, 74.9366,  
92.0070

 78.1419, 74.9366,  
92.0070


477.4810,  
477.6996, 555.2758

 58.4937, 55.5610,  
69.0634

129.7144,  
126.2226, 152.0829

 42.4505, 39.8510,  
50.2913


162.3695,  
158.9018, 190.0522

 29.6469, 27.4224,  
35.2721


200.0910,  
196.7842, 233.8672

 19.7174, 17.8907,  
23.5873


243.2442,  
240.2543, 283.9464

 12.2969, 10.8716,  
14.8184

292.1944,  
289.6966, 340.7083

 7.0198, 5.9805,  
8.5468

347.3070,

 3.5210, 2.8332,

345.4952, 404.5715

4.3540

408.9475,  
408.0348, 475.9545

■ 1.4349, 1.0453,  
1.8215

■ 0.2809, 0.0000,  
0.4421

■ 78.1419, 74.9366,  
92.0070

■ 78.1419, 74.9366,  
92.0070

■ 71.4712, 62.9300,  
85.6658

■ 85.7874, 88.8475,  
98.8079

■ 65.7266, 52.7341,  
79.7641

■ 91.0978, 98.0456,  
104.9636

■ 60.8653, 44.2623,  
74.2873

■ 91.8165, 98.3331,  
108.7487

■ 56.8381, 37.4170,  
69.2178

■ 53.5912, 32.0906,  
64.5363

■ 51.0641, 28.1628,  
60.2215

■ 49.1873, 25.4949,  
56.2487

■ 47.8768, 23.9193,  
52.5888

■ 47.1476, 23.2495,  
49.9150

# Harmonies

## Analogous

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



75.3630, 74.9366, 101.2497



78.1419, 74.9366, 92.0070



79.0470, 74.9366, 80.6565

# Triad

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



78.1419, 74.9366, 92.0070



70.8971, 74.9366, 61.8198



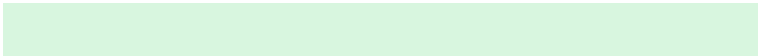
65.0374, 74.9366, 93.7829

# Complementary

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



78.1419, 74.9366, 92.0070



74.5969, 85.8403, 82.4533

# Split Complementary

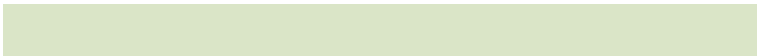
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



63.9368, 74.9366, 82.5372



78.1419, 74.9366, 92.0070



67.2413, 74.9366, 64.6612

# Square

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



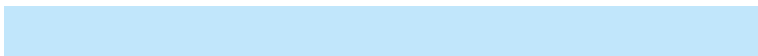
78.1419, 74.9366, 92.0070



74.7740, 74.9366, 63.8592



64.7288, 74.9366, 71.9965



67.7901, 74.9366, 102.3395

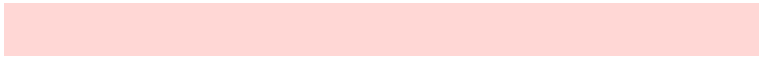


# Rectangle

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



78.1419, 74.9366, 92.0070



78.4400, 74.9366, 73.5893



64.7288, 74.9366, 71.9965



64.4666, 74.9366, 90.1575

# Sweetspot

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



78.1441, 74.9399, 92.0086



91.5010, 93.5115, 105.8380



71.6250, 71.4573, 97.2075



19.4463, 19.7623, 22.5324



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.



78.1441, 74.9399, 92.0086



82.6343, 77.4153, 97.8354



76.0191, 74.0899, 80.8184



17.0385, 16.6983, 19.9495



25.2220, 12.4322, 26.9412



2.2559, 1.1083, 2.5739



# Inverse Universe

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



78.1441, 74.9399, 92.0086



82.6343, 77.4153, 97.8354



76.7098, 86.6854, 93.5798



17.0385, 16.6983, 19.9495



25.2220, 12.4322, 26.9412

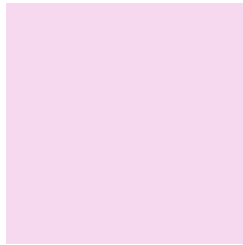


2.2559, 1.1083, 2.5739



# Previews

## White Background



This preview shows how the XYZ color 78.1419, 74.9366, 92.0070 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

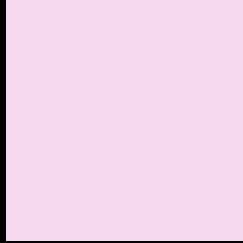
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.1419, 74.9366, 92.0070 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

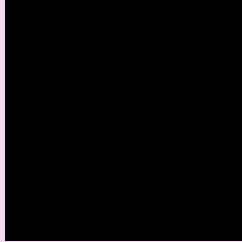
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.1419, 74.9366, 92.0070**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.1419, 74.9366, 92.0070.



This preview shows how white text looks on a background with the XYZ color 78.1419, 74.9366,



# 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

78.1419, 74.9366, 92.0070

### Protanopia

72.9968, 74.9344, 95.4105

### Deuteranopia

76.5866, 74.9001, 92.0820



## Tritanopia

77.3203, 74.9787, 88.2390

# Trichromacy



## Original Color

78.1419, 74.9366, 92.0070

## Protanomaly

74.5752, 74.5861, 94.4704

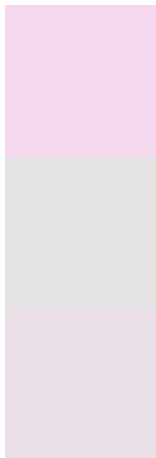
## Deuteranomaly

77.0108, 74.7349, 92.0277

## Tritanomaly

77.6094, 75.0943, 89.7611

# Monochromacy



## Original Color

78.1419, 74.9366, 92.0070

## Achromatopsia

73.7419, 77.5822, 84.4870

## Achromatomaly

75.4821, 76.7997, 87.1894

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.1419, 74.9366, 92.0070 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, 216, 239)` looks like.

```
.text, #text, p{  
    color:rgb(246, 216, 239)  
}
```

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, 216, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 216, 239) }
```

## Border

The CSS property to change the border of an element to XYZ 78.1419, 74.9366, 92.0070 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, 216, 239) }
```



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

```
.border{ border-color:rgb(246, 216, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 216, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 216, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 216, 239);  
box-shadow:4px 4px 4px 4px rgb(246, 216,  
239) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.1419, 74.9366, 92.0070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 216, 239) }
```

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

```
.background{ background-color: rgb(246,  
216, 239) }
```

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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