

# Converting Colors

XYZ(72.7937, 66.8885, 87.1304)

Have a look what the booklet for  
XYZ(72.7937, 66.8885, 87.1304)  
contains.

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# Color

**XYZ(72.7001, 66.7685,  
86.8978)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	F3C9EA
RGB	243, 201, 234
RGB Percent	95%, 79%, 92%
CMY	0.0471, 0.2117, 0.0823
CMYK	0.00, 0.17, 0.04, 0.05
HSL	313°, 64%, 87%
HSV	313°, 17%, 95%
XYZ	72.7001, 66.7685, 86.8978
YIQ	217.3200, 14.4390, 19.1670

# Conversions

## Conversions Part 2

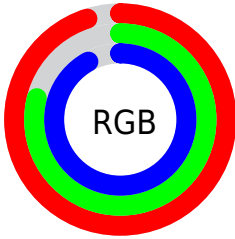
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	243, 201, 234
Decimal	15976938
CIE <sub>Lab</sub>	85.39, 20.25, -10.71
CIE <sub>LCh</sub>	85, 22.911, 332.130
Yxy	66.7685, 0.3212, 0.2950
Android (android.graphics.Color)	4294167018 (0xFFFF3C9EA)
YUV	217.3200, 8.2232, 22.5214
Hunter-Lab	81.7120, 15.8175, -5.8544

# Details

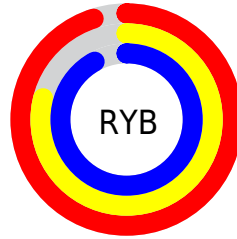
The XYZ color **72.7001, 66.7685, 86.8978** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **67.7735, 81.1738, 73.0726**, and the grayscale version is **66.1129, 69.5559, 75.7464**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **38.9631, 34.6466, 46.7534** is the 20% darker color. If you saturate the color by 10%, you get **66.7407, 56.0286, 81.2746**, and if you desaturate by 10%, it is **79.5815, 79.3152, 92.9384**.

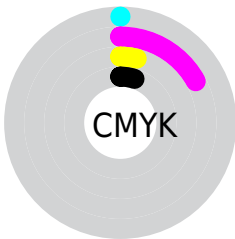
# Distribution



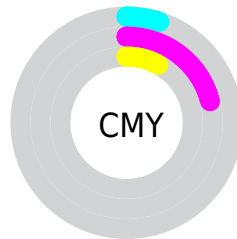
- Red (95%)
- Green (79%)
- Blue (92%)



- Red (95%)
- Yellow (79%)
- Blue (92%)



- Cyan (0%)
- Magenta (17%)
- Yellow (4%)
- Black (5%)



- Cyan (5%)
- Magenta (21%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 72.7001, 66.7685, 86.8978 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 72.7001, 66.7685, 86.8978 by changing the saturation by 10% instead.




 72.7001, 66.7685,  
86.8978

 72.7001, 66.7685,  
86.8978


459.0946,  
449.1203, 538.1945

 54.0183, 48.8965,  
64.8515

122.0568,  
114.5886, 144.9193

 38.8470, 34.5374,  
46.8901

153.4624,  
145.3056, 181.7316

 26.8209, 23.3067,  
32.5951


189.8399,  
181.0730, 224.3029

 17.5747, 14.8202,  
21.5478

231.5548,  
222.2752, 273.0518

 10.7429, 8.6933,  
13.3299

278.9724,  
269.2966, 328.3969

 5.9602, 4.5417,  
7.5227

332.4580,

 2.8613, 1.9809,

322.5217, 390.7567

3.7077

392.3769,  
382.3348, 460.5497

■ 1.0809, 0.5964,  
1.4664

■ 0.0090, 0.0000,  
0.1927

■ 72.7001, 66.7685,  
86.8978

■ 72.7001, 66.7685,  
86.8978

■ 66.7407, 56.0286,  
81.2746

■ 79.5815, 79.3152,  
92.9384

■ 61.6552, 47.0026,  
76.0496

■ 87.4184, 93.7385,  
99.4061

■ 57.4000, 39.6025,  
71.2080

■ 89.9192, 97.4535,  
104.2054

■ 53.9252, 33.7291,  
66.7323

■ 90.7457, 97.7842,  
108.5578

■ 51.1757, 29.2722,  
62.6031

■ 90.7727, 97.7949,  
108.6998

■ 49.0888, 26.1069,  
58.7985

■ 47.5910, 24.0863,  
55.2932

■ 46.5864, 23.0191,  
52.0541

■ 46.3582, 22.8132,  
51.2061

# Harmonies

## Analogous

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



68.9192, 66.7685, 99.6931



72.7001, 66.7685, 86.8978



73.9674, 66.7685, 71.6425

# Triad

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



72.7001, 66.7685, 86.8978



63.0913, 66.7685, 47.7121



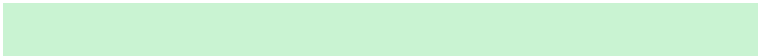
55.3787, 66.7685, 88.9866

# Complementary

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



72.7001, 66.7685, 86.8978



67.7735, 81.1738, 73.0726

# 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.



54.0006, 66.7685, 73.7670



72.7001, 66.7685, 86.8978



58.2997, 66.7685, 51.0797

# Square

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



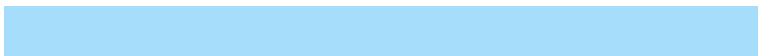
72.7001, 66.7685, 86.8978



68.2426, 66.7685, 50.2447



55.0407, 66.7685, 60.1388



58.9090, 66.7685, 101.0100



# Rectangle

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



72.7001, 66.7685, 86.8978



73.1636, 66.7685, 62.4543



55.0407, 66.7685, 60.1388



54.6573, 66.7685, 84.0081

# Sweetspot

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



72.7021, 66.7714, 86.8992



90.6797, 91.9584, 105.2883



63.4750, 61.8615, 93.3901



19.2824, 19.4502, 22.4295



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.



72.7021, 66.7714, 86.8992



78.4886, 69.7462, 94.5348



69.9377, 65.6657, 72.3424



17.0526, 16.7039, 20.0238



25.4944, 12.5412, 28.3756



2.2777, 1.1170, 2.6887



# Inverse Universe

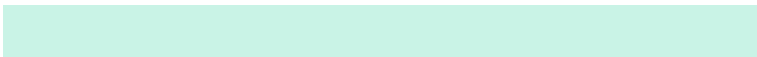
The Inverse Universe completely reimagines the original color for something new.



72.7021, 66.7714, 86.8992



78.4886, 69.7462, 94.5348



70.4795, 82.2562, 87.3221



17.0526, 16.7039, 20.0238



25.4944, 12.5412, 28.3756

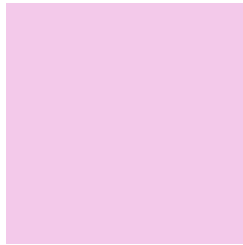


2.2777, 1.1170, 2.6887



# Previews

## White Background



This preview shows how the XYZ color 72.7001, 66.7685, 86.8978 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

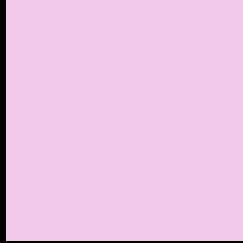
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 72.7001, 66.7685, 86.8978 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

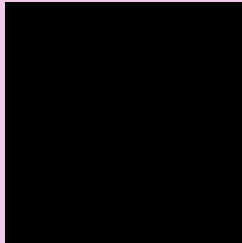
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 72.7001, 66.7685, 86.8978**

## **Background**



This preview shows how black text looks on a background with the XYZ color 72.7001, 66.7685, 86.8978.



This preview shows how white text looks on a background with the XYZ color 72.7001, 66.7685,



# 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

72.7001, 66.7685, 86.8978

### Protanopia

65.7152, 66.9932, 92.6865

### Deuteranopia

68.6279, 67.1637, 86.4376



## **Tritanopia**

70.4177, 66.5271, 76.1474

# Trichromacy



## Original Color

72.7001, 66.7685, 86.8978

## Protanomaly

67.8073, 66.6569, 90.1812

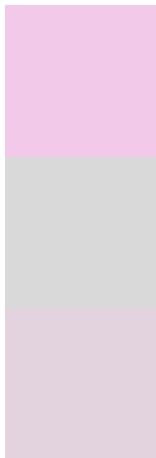
## Deuteranomaly

69.8180, 66.7016, 86.2857

## Tritanomaly

71.1930, 66.5001, 79.6045

# Monochromacy



## Original Color

72.7001, 66.7685, 86.8978

## Achromatopsia

65.9525, 69.3872, 75.5626

## Achromatomaly

67.9776, 68.0850, 79.3710

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 72.7001, 66.7685, 86.8978 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(243, 201, 234)` looks like.

```
.text, #text, p{  
    color:rgb(243, 201, 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(243, 201, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 201, 234) }
```

## Border

The CSS property to change the border of an element to XYZ 72.7001, 66.7685, 86.8978 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(243, 201, 234) }
```



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

```
.border{ border-color:rgb(243, 201, 234) }
```

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

Here you see how a box with a 4 pixel rgb(243, 201, 234) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 201, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 201, 234);  
box-shadow:4px 4px 4px 4px rgb(243, 201,  
234) }
```

# Background

The CSS property to change the background color of an element to XYZ 72.7001, 66.7685, 86.8978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 201, 234) }
```

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

```
.background{ background-color: rgb(243,  
201, 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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