

# Converting Colors

XYZ(73.5735, 68.9952, 84.7037)

Have a look what the booklet for  
XYZ(73.5735, 68.9952, 84.7037)  
contains.

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# Color

**XYZ(73.8033, 69.1452,  
85.0578)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4CEE7
RGB	244, 206, 231
RGB Percent	96%, 81%, 91%
CMY	0.0431, 0.1921, 0.0941
CMYK	0.00, 0.16, 0.05, 0.04
HSL	321°, 63%, 88%
HSV	321°, 16%, 96%
XYZ	73.8033, 69.1452, 85.0578
YIQ	220.2120, 14.6230, 15.8310

# Conversions

## Conversions Part 2

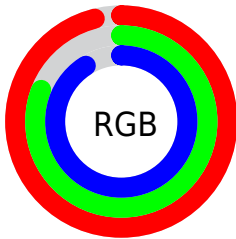
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 206, 231
Decimal	16043751
CIE <sub>Lab</sub>	86.58, 17.43, -7.34
CIE <sub>LCh</sub>	87, 18.913, 337.159
Yxy	69.1452, 0.3237, 0.3033
Android (android.graphics.Color)	4294233831 (0xFFFF4CEE7)
YUV	220.2120, 5.3185, 20.8621
Hunter-Lab	83.1536, 12.9096, -2.4402

# Details

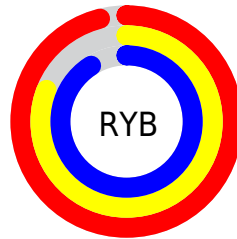
The XYZ color **73.8033, 69.1452, 85.0578** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **70.5931, 82.9395, 79.3099**, and the grayscale version is **68.1340, 71.6823, 78.0620**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **39.7051, 36.2430, 45.4603** is the 20% darker color. If you saturate the color by 10%, you get **67.2285, 57.8369, 77.1873**, and if you desaturate by 10%, it is **81.3502, 82.3057, 93.5314**.

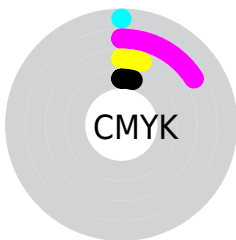
# Distribution



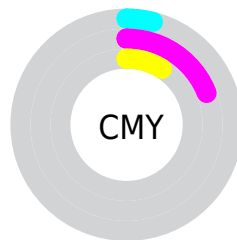
- Red (96%)
- Green (81%)
- Blue (91%)



- Red (96%)
- Yellow (81%)
- Blue (91%)



- Cyan (0%)
- Magenta (16%)
- Yellow (5%)
- Black (4%)




- Cyan (4%)
- Magenta (19%)
- Yellow (9%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 73.8033, 69.1452, 85.0578 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 73.8033, 69.1452, 85.0578 by changing the saturation by 10% instead.




 73.8033, 69.1452,  
85.0578

 73.8033, 69.1452,  
85.0578


462.8550,  
457.5429, 531.9689

 54.9238, 50.8300,  
63.3387


123.6139,  
117.9889, 142.3288

 39.5743, 36.0733,  
45.6725

155.2757,  
149.2862, 178.7178

 27.3895, 24.4908,  
31.6407


191.9290,  
185.6797, 220.8339

 18.0041, 15.6981,  
20.8247

233.9391,  
227.5537, 269.0955

 11.0526, 9.3108,  
12.8059

281.6714,  
275.2926, 323.9213

 6.1698, 4.9444,  
7.1659

335.4913,

 2.9902, 2.2147,

329.2808, 385.7298

3.4860

395.7640,  
389.9028, 454.9395

■ 1.1486, 0.7280,  
1.3478

■ 0.0652, 0.0000,  
0.1005

■ 73.8033, 69.1452,  
85.0578

■ 73.8033, 69.1452,  
85.0578

■ 67.2285, 57.8369,  
77.1873

■ 81.3502, 82.3057,  
93.5314

■ 61.5770, 48.2874,  
69.8975

■ 89.9032, 97.3881,  
102.6208

■ 56.8048, 40.4092,  
63.1706

■ 91.1187, 97.9733,  
108.7160

■ 52.8619, 34.1033,  
56.9858

■ 49.6929, 29.2602,  
51.3208

■ 47.2353, 25.7564,  
46.1503

■ 45.4163, 23.4477,  
41.4461

■ 44.1464, 22.1563,  
37.1736

■ 43.6993, 21.7896,  
35.3984

# Harmonies

## Analogous

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



70.9474, 69.1452, 96.2241



73.8033, 69.1452, 85.0578



74.4486, 69.1452, 72.3172

# Triad

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



73.8033, 69.1452, 85.0578



64.6750, 69.1452, 53.7749



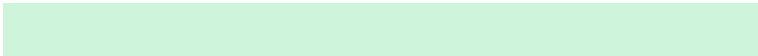
59.2256, 69.1452, 90.8396

# Complementary

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



73.8033, 69.1452, 85.0578



70.5931, 82.9395, 79.3099

# 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.



57.7026, 69.1452, 78.3378



73.8033, 69.1452, 85.0578



60.7567, 69.1452, 57.6318

# Square

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



73.8033, 69.1452, 85.0578



69.0489, 69.1452, 55.1494



58.2504, 69.1452, 66.2953



62.5007, 69.1452, 99.8129

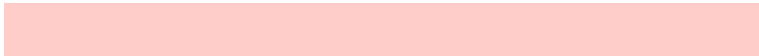


# Rectangle

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



73.8033, 69.1452, 85.0578



73.5135, 69.1452, 64.7916



58.2504, 69.1452, 66.2953



58.4985, 69.1452, 86.8595

# Sweetspot

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



73.8053, 69.1482, 85.0593



90.4221, 91.8554, 103.9317



67.5165, 65.6861, 94.7091



19.2197, 19.4251, 22.0992



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.



73.8053, 69.1482, 85.0593



78.9388, 71.8659, 90.9263



71.3077, 68.1492, 71.9071



16.9587, 16.6663, 19.5288



23.8276, 11.8745, 19.5984



2.1423, 1.0629, 1.9757



# Inverse Universe

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



73.8053, 69.1482, 85.0593



78.9388, 71.8659, 90.9263



73.1902, 83.9783, 92.9858



16.9587, 16.6663, 19.5288



23.8276, 11.8745, 19.5984

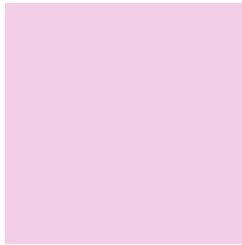


2.1423, 1.0629, 1.9757



# Previews

## White Background



This preview shows how the XYZ color 73.8033, 69.1452, 85.0578 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

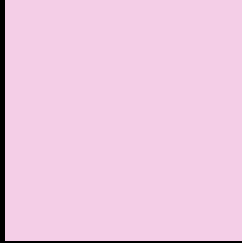
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 73.8033, 69.1452, 85.0578 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 73.8033, 69.1452, 85.0578**

## **Background**



This preview shows how black text looks on a background with the XYZ color 73.8033, 69.1452, 85.0578.



This preview shows how white text looks on a background with the XYZ color 73.8033, 69.1452,



# 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

73.8033, 69.1452, 85.0578

### Protanopia

67.6108, 69.1624, 89.9070

### Deuteranopia

70.8559, 69.4575, 84.5350



## Tritanopia

72.5943, 69.0080, 79.3058

# Trichromacy



## Original Color

73.8033, 69.1452, 85.0578

## Protanomaly

69.9029, 69.2539, 88.2803

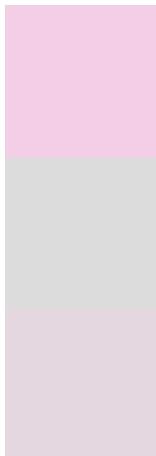
## Deuteranomaly

71.6755, 69.1470, 84.4319

## Tritanomaly

73.0024, 69.1713, 81.4553

# Monochromacy



## Original Color

73.8033, 69.1452, 85.0578

## Achromatopsia

68.0267, 71.5694, 77.9390

## Achromatomaly

70.0681, 70.6407, 80.4630

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 73.8033, 69.1452, 85.0578 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, 206, 231)` looks like.

```
.text, #text, p{  
    color:rgb(244, 206, 231)  
}
```

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, 206, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 206, 231) }
```

## Border

The CSS property to change the border of an element to XYZ 73.8033, 69.1452, 85.0578 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, 206, 231) }
```



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

```
.border{ border-color:rgb(244, 206, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 206, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 206, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 206, 231);  
box-shadow:4px 4px 4px 4px rgb(244, 206,  
231) }
```

# Background

The CSS property to change the background color of an element to XYZ 73.8033, 69.1452, 85.0578 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 206, 231) }
```

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

```
.background{ background-color: rgb(244,  
206, 231) }
```

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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