

# Converting Colors

XYZ(78.2055, 73.1691, 88.5094)

Have a look what the booklet for  
XYZ(78.2055, 73.1691, 88.5094)  
contains.

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# Color

**XYZ(78.0733, 73.0959,  
88.5913)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FBD3EB
RGB	251, 211, 235
RGB Percent	98%, 83%, 92%
CMY	0.0157, 0.1725, 0.0784
CMYK	0.00, 0.16, 0.06, 0.02
HSL	324°, 83%, 91%
HSV	324°, 16%, 98%
XYZ	78.0733, 73.0959, 88.5913
YIQ	225.6960, 16.1360, 15.9440

# Conversions

## Conversions Part 2

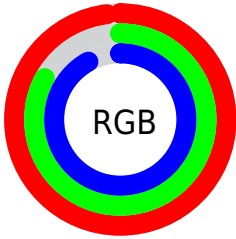
Format	Color
R <sub>Y</sub> B	251, 211, 235
Decimal	16503787
CIE Lab	88.49, 17.86, -6.55
CIE LCh	88, 19.026, 339.858
Yxy	73.0959, 0.3256, 0.3049
Android (android.graphics.Color)	4294693867 (0xFFFFBD3EB)
YUV	225.6960, 4.5869, 22.1916
Hunter-Lab	85.4961, 13.3842, -1.5891

# Details

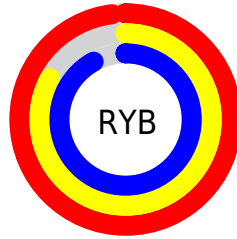
The XYZ color **78.0733, 73.0959, 88.5913** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **75.2291, 88.3912, 85.7733**, and the grayscale version is **72.0308, 75.7820, 82.5266**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.2733, 38.5009, 47.8512** is the 20% darker color. If you saturate the color by 10%, you get **70.9083, 61.0216, 79.2469**, and if you desaturate by 10%, it is **86.2980, 87.1566, 98.6947**.

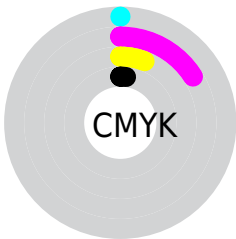
# Distribution



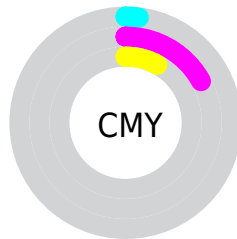
- Red (98%)
- Green (83%)
- Blue (92%)



- Red (98%)
- Yellow (83%)
- Blue (92%)



- Cyan (0%)
- Magenta (16%)
- Yellow (6%)
- Black (2%)




- Cyan (2%)
- Magenta (17%)
- Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 78.0733, 73.0959, 88.5913 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 78.0733, 73.0959, 88.5913 by changing the saturation by 10% instead.




 78.0733, 73.0959,  
88.5913

 78.0733, 73.0959,  
88.5913


477.2517,  
471.3471, 543.8891

 58.4372, 54.0544,  
66.2458


129.6183,  
123.6133, 147.2985

 42.4048, 38.6451,  
48.0142


162.2578,  
155.8581, 184.4972

 29.6109, 26.4838,  
33.4781


199.9626,  
193.2726, 227.4840

 19.6901, 17.1859,  
22.2188

243.0979,  
236.2414, 276.6775

 12.2769, 10.3671,  
13.8179

292.0291,  
285.1489, 332.4962

 7.0061, 5.6430,  
7.8568

347.1216,

 3.5123, 2.6293,

340.3794, 395.3587

3.9170

408.7407,  
402.3174, 465.6835

■ 1.4301, 0.9414,  
1.5799

■ 0.2775, 0.0000,  
0.2764

■ 78.0733, 73.0959,  
88.5913

■ 78.0733, 73.0959,  
88.5913

■ 70.9083, 61.0216,  
79.2469

■ 86.2980, 87.1566,  
98.6947

■ 64.7504, 50.8334,  
70.6347

■ 93.5941, 99.2495,  
108.8319

■ 59.5516, 42.4368,  
62.7329

■ 55.2575, 35.7252,  
55.5165

■ 51.8080, 30.5805,  
48.9582

■ 49.1351, 26.8693,  
43.0279

■ 47.1597, 24.4357,  
37.6919

■ 45.7838, 23.0866,  
32.9095

■ 45.3368, 22.7305,  
31.1020

# Harmonies

## Analogous

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



75.2720, 73.0959, 100.5561



78.0733, 73.0959, 88.5913



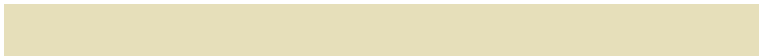
78.5157, 73.0959, 75.3499

# Triad

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



78.0733, 73.0959, 88.5913



67.9791, 73.0959, 57.2418



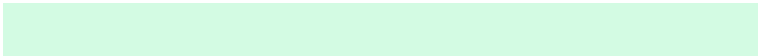
62.9338, 73.0959, 96.8669

# Complementary

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



78.0733, 73.0959, 88.5913



75.2291, 88.3912, 85.7733

# Split Complementary

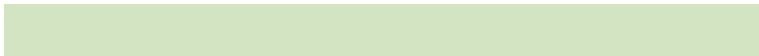
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



61.1573, 73.0959, 83.9843



78.0733, 73.0959, 88.5913



63.9844, 73.0959, 61.7600

# Square

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



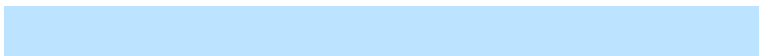
78.0733, 73.0959, 88.5913



72.5515, 73.0959, 58.1861



61.5332, 73.0959, 71.2182



66.4876, 73.0959, 105.6859



# Rectangle

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



78.0733, 73.0959, 88.5913



77.3942, 73.0959, 67.6845



61.5332, 73.0959, 71.2182



62.1162, 73.0959, 92.8135

# Sweetspot

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



78.0754, 73.0991, 88.5929



90.3061, 91.8090, 103.3211



72.3883, 69.8881, 100.9423



19.1915, 19.4138, 21.9506



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

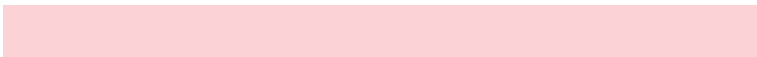
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.0754, 73.0991, 88.5929



78.5288, 71.7018, 88.7671



75.3462, 72.0075, 74.2212



17.6819, 17.4001, 20.1805



23.9045, 11.9775, 16.7375



2.2663, 1.1303, 1.8258



# Inverse Universe

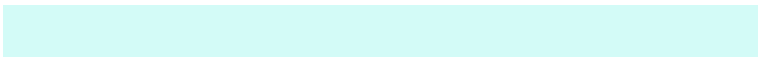
The Inverse Universe completely reimagines the original color for something new.



78.0754, 73.0991, 88.5929



78.5288, 71.7018, 88.7671



78.1520, 89.5604, 101.1649



17.6819, 17.4001, 20.1805



23.9045, 11.9775, 16.7375

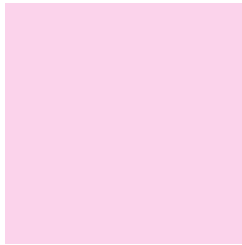


2.2663, 1.1303, 1.8258



# Previews

## White Background



This preview shows how the XYZ color 78.0733, 73.0959, 88.5913 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

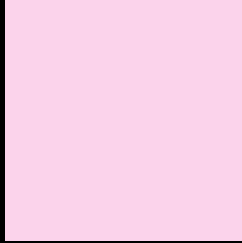
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 78.0733, 73.0959, 88.5913 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

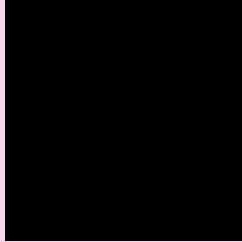
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 78.0733, 73.0959, 88.5913**

## **Background**



This preview shows how black text looks on a background with the XYZ color 78.0733, 73.0959, 88.5913.



This preview shows how white text looks on a background with the XYZ color 78.0733, 73.0959,



# 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

78.0733, 73.0959, 88.5913

### Protanopia

71.5524, 73.4359, 93.6224

### Deuteranopia

75.0038, 73.4030, 88.0570



## Tritanopia

77.1107, 73.0681, 84.1681

# Trichromacy



## Original Color

78.0733, 73.0959, 88.5913

## Protanomaly

73.6716, 73.0135, 91.8715

## Deuteranomaly

75.8600, 73.0883, 87.9511

## Tritanomaly

77.3916, 73.1805, 85.6476

# Monochromacy



## Original Color

78.0733, 73.0959, 88.5913

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

74.2603, 75.0322, 84.6975

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 78.0733, 73.0959, 88.5913 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(251, 211, 235)` looks like.

```
.text, #text, p{  
    color:rgb(251, 211, 235)  
}
```

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(251, 211, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 211, 235) }
```

## Border

The CSS property to change the border of an element to XYZ 78.0733, 73.0959, 88.5913 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(251, 211, 235) }
```



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

```
.border{ border-color:rgb(251, 211, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 211, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 211, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 211, 235);  
box-shadow:4px 4px 4px 4px rgb(251, 211,  
235) }
```

# Background

The CSS property to change the background color of an element to XYZ 78.0733, 73.0959, 88.5913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 211, 235) }
```

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

```
.background{ background-color: rgb(251,  
211, 235) }
```

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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