

Converting Colors

XYZ(78.3708, 71.4278, 88.5849)

Have a look what the booklet for XYZ(78.3708, 71.4278, 88.5849) contains.

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Color

**XYZ(78.3067, 71.4008,
88.2518)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCEEB
RGB	255, 206, 235
RGB Percent	100%, 81%, 92%
CMY	0.0000, 0.1921, 0.0784
CMYK	0.00, 0.19, 0.08, 0.00
HSL	324°, 100%, 90%
HSV	324°, 19%, 100%
XYZ	78.3067, 71.4008, 88.2518
YIQ	223.9570, 19.8950, 19.4070

Conversions

Conversions Part 2

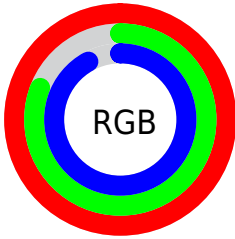
Format	Color
R _Y B	255, 206, 235
Decimal	16764651
CIE Lab	87.68, 21.84, -7.72
CIE LCh	88, 23.160, 340.539
Yxy	71.4008, 0.3291, 0.3001
Android (android.graphics.Color)	4294954731 (0xFFFFCEE8)
YUV	223.9570, 5.4442, 27.2247
Hunter-Lab	84.4990, 17.5458, -2.7739

Details

The XYZ color **78.3067, 71.4008, 88.2518** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.9434, 90.1339, 85.4025**, and the grayscale version is **70.7748, 74.4606, 81.0875**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.4920, 37.3937, 47.6260** is the 20% darker color. If you saturate the color by 10%, you get **71.1987, 59.5212, 78.6793**, and if you desaturate by 10%, it is **86.5019, 85.3132, 98.6228**.

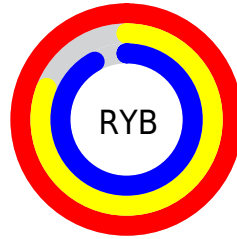
Distribution



Red (100%)

Green (81%)

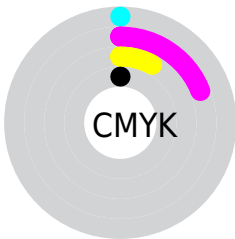
Blue (92%)



Red (100%)

Yellow (81%)

Blue (92%)

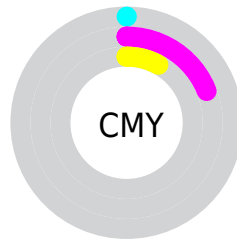


Cyan (0%)

Magenta (19%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (19%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.3067, 71.4008, 88.2518 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 78.3067, 71.4008, 88.2518 by changing the saturation by 10% instead.

78.3067, 71.4008,
88.2518

78.3067, 71.4008,
88.2518

478.0317,
465.4533, 542.7501

58.6296, 52.6693,
65.9661

129.9455,
121.2042, 146.8219

42.5603, 37.5389,
47.7886

162.6379,
153.0450, 183.9434

29.7333, 25.6250,
33.3007

200.3994,
190.0244, 226.8472

19.7833, 16.5433,
22.0839

243.5954,
232.5267, 275.9518

12.3450, 9.9094,
13.7196

292.5913,
280.9363, 331.6759

7.0529, 5.3389,
7.7894

347.7524,

3.5418, 2.4475,

335.6377, 394.4380

3.8747

409.4441,
397.0152, 464.6565

■ 1.4464, 0.8502,
1.5568

■ 0.2889, 0.0000,
0.2597

■ 78.3067, 71.4008,
88.2518

■ 78.3067, 71.4008,
88.2518

■ 71.1987, 59.5212,
78.6793

■ 86.5019, 85.3132,
98.6228

■ 65.1234, 49.5691,
69.8769

95.0500, 100.0000,
108.9000

■ 60.0292, 41.4430,
61.8209

■ 55.8575, 35.0285,
54.4838

■ 52.5433, 30.1981,
47.8361

■ 50.0126, 26.8065,
41.8449

■ 48.1777, 24.6809,
36.4724

■ 46.9073, 23.5618,
31.6662

■ 46.8188, 23.4915,
31.3077

Harmonies

Analogous

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



74.9558, 71.4008, 103.0432



78.3067, 71.4008, 88.2518



78.7750, 71.4008, 72.3464

Triad

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



78.3067, 71.4008, 88.2518



65.9527, 71.4008, 51.6587



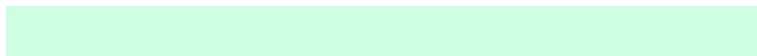
60.1574, 71.4008, 99.0841

Complementary

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



78.3067, 71.4008, 88.2518



74.9434, 90.1339, 85.4025

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.



58.0107, 71.4008, 83.4022



78.3067, 71.4008, 88.2518



61.2349, 71.4008, 56.9658

Square

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



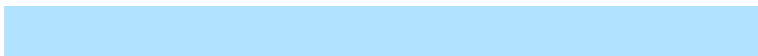
78.3067, 71.4008, 88.2518



71.4407, 71.4008, 52.5908



58.3942, 71.4008, 68.1040



64.4093, 71.4008, 109.8569

Rectangle

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



78.3067, 71.4008, 88.2518



77.3636, 71.4008, 63.3777



58.3942, 71.4008, 68.1040



59.1763, 71.4008, 94.1306

Sweetspot

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



78.3083, 71.4037, 88.2533



89.3725, 90.2279, 102.1274



71.3626, 67.4703, 103.8696



19.0025, 19.0948, 21.7055



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.



78.3083, 71.4037, 88.2533



75.4912, 66.6708, 84.5356



75.0588, 70.1039, 71.1413



18.4605, 18.1675, 21.0422



24.5398, 12.3052, 16.7590



2.4436, 1.2198, 1.9175

Inverse Universe

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



78.3083, 71.4037, 88.2533



75.4912, 66.6708, 84.5356



78.4864, 91.5511, 104.0597



18.4605, 18.1675, 21.0422



24.5398, 12.3052, 16.7590



2.4436, 1.2198, 1.9175

Previews

White Background



This preview shows how the XYZ color 78.3067, 71.4008, 88.2518 looks on a white background.

Color Contrast Check

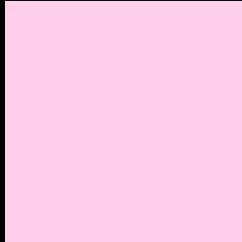
Large Text (above 18pt) WCAG AA × Fail

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 78.3067, 71.4008, 88.2518 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

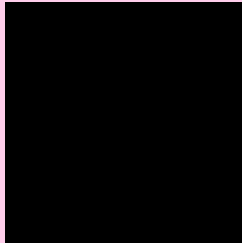
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.3067, 71.4008, 88.2518

Background



This preview shows how black text looks on a background with the XYZ color 78.3067, 71.4008, 88.2518.



This preview shows how white text looks on a background with the XYZ color 78.3067, 71.4008,

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

78.3067, 71.4008, 88.2518

Protanopia

70.1245, 71.8858, 94.9734

Deuteranopia

73.1588, 71.6958, 87.8247



Tritanopia

76.8835, 71.5644, 80.2821

Trichromacy



Original Color

78.3067, 71.4008, 88.2518

Protanomaly

72.7297, 71.3733, 92.3812

Deuteranomaly

74.7635, 71.4063, 87.6842

Tritanomaly

77.1895, 71.2979, 83.0923

Monochromacy



Original Color

78.3067, 71.4008, 88.2518

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

73.0774, 72.8893, 83.6162

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.3067, 71.4008, 88.2518 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(255, 206, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 206, 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(255, 206, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 206, 235) }
```

Border

The CSS property to change the border of an element to XYZ 78.3067, 71.4008, 88.2518 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(255, 206, 235) }
```


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

```
.border{ border-color:rgb(255, 206, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 206, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 206, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 206, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 206,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 78.3067, 71.4008, 88.2518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 206, 235) }
```

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

```
.background{ background-color: rgb(255,  
206, 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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