

Converting Colors

XYZ(83.6345, 73.5696, 90.7014)

Have a look what the booklet for
XYZ(83.6345, 73.5696, 90.7014)
contains.

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Color

**XYZ(78.5039, 71.0957,
90.4742)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCDEE
RGB	255, 205, 238
RGB Percent	100%, 80%, 93%
CMY	0.0000, 0.1961, 0.0667
CMYK	0.00, 0.20, 0.07, 0.00
HSL	320°, 100%, 90%
HSV	320°, 20%, 100%
XYZ	78.5039, 71.0957, 90.4742
YIQ	223.7120, 19.2070, 20.8630

Conversions

Conversions Part 2

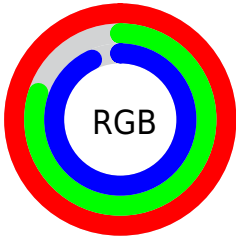
Format	Color
R_{YB}	255, 205, 238
Decimal	16764398
CIE _{Lab}	87.53, 22.87, -9.52
CIE _{LCh}	88, 24.771, 337.390
Yxy	71.0957, 0.3270, 0.2961
Android (android.graphics.Color)	4294954478 (0xFFFFCDEE)
YUV	223.7120, 7.0440, 27.4396
Hunter-Lab	84.3183, 18.6341, -4.5959

Details

The XYZ color **78.5039, 71.0957, 90.4742** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **74.1239, 89.7742, 82.5319**, and the grayscale version is **70.5893, 74.2654, 80.8750**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.7988, 37.5164, 49.2416** is the 20% darker color. If you saturate the color by 10%, you get **71.6508, 59.3791, 82.0562**, and if you desaturate by 10%, it is **86.4157, 84.8308, 99.5497**.

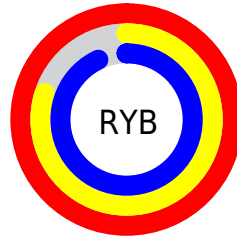
Distribution



Red (100%)

Green (80%)

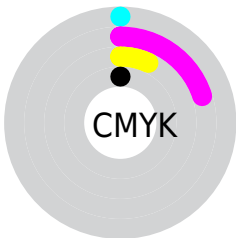
Blue (93%)



Red (100%)

Yellow (80%)

Blue (93%)

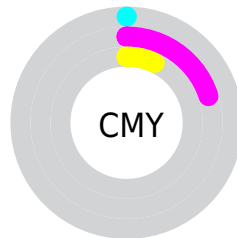


Cyan (0%)

Magenta (20%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.5039, 71.0957, 90.4742 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 78.5039, 71.0957, 90.4742 by changing the saturation by 10% instead.


 78.5039, 71.0957,
90.4742

 78.5039, 71.0957,
90.4742

478.6901,
464.3879, 550.1821

 58.7922, 52.4203,
67.7981


130.2218,
120.7700, 149.9382

 42.6916, 37.3402,
49.2678

162.9588,
152.5376, 187.5631

 29.8367, 25.4710,
34.4649


200.7683,
189.4382, 231.0081

 19.8621, 16.4283,
22.9707

244.0155,
231.8560, 280.6916

 12.4025, 9.8277,
14.3668

293.0660,
280.1755, 337.0322

 7.0926, 5.2849,
8.2346

348.2850,

 3.5669, 2.4154,

334.7810, 400.4485

4.1555

410.0379,
396.0571, 471.3589

■ 1.4602, 0.8338,
1.7110

■ 0.2985, 0.0000,
0.3683

■ 78.5039, 71.0957,
90.4742

■ 78.5039, 71.0957,
90.4742

■ 71.6508, 59.3791,
82.0562

■ 86.4157, 84.8308,
99.5497

■ 65.8026, 49.5756,
74.2707

95.0500, 100.0000,
108.9000

■ 60.9078, 41.5837,
67.0972

■ 56.9085, 35.2888,
60.5121

■ 53.7402, 30.5631,
54.4892

■ 51.3290, 27.2608,
48.9994

■ 49.5874, 25.2081,
44.0087

■ 48.3785, 24.1329,
39.4668

■ 48.3356, 24.0982,
39.2947

Harmonies

Analogous

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



74.6405, 71.0957, 105.9439



78.5039, 71.0957, 90.4742



79.3595, 71.0957, 73.3395

Triad

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



78.5039, 71.0957, 90.4742



66.1373, 71.0957, 49.6476



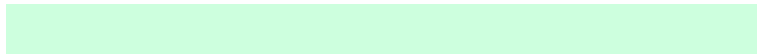
59.0221, 71.0957, 98.6765

Complementary

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



78.5039, 71.0957, 90.4742



74.1239, 89.7742, 82.5319

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.



57.0178, 71.0957, 81.6307



78.5039, 71.0957, 90.4742



60.9688, 71.0957, 54.5249

Square

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



78.5039, 71.0957, 90.4742



71.9936, 71.0957, 51.3088



57.7094, 71.0957, 65.6702



63.3397, 71.0957, 111.1361

Rectangle

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



78.5039, 71.0957, 90.4742



78.0664, 71.0957, 63.5113



57.7094, 71.0957, 65.6702



58.0672, 71.0957, 93.2040

Sweetspot

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



78.5056, 71.0986, 90.4757



89.5355, 90.2931, 102.9856



69.9062, 66.3631, 103.7327



19.0410, 19.1103, 21.9085



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.



78.5056, 71.0986, 90.4757



75.3661, 65.7061, 86.6963



75.1260, 69.7468, 72.6791



18.5148, 18.1892, 21.3281



25.3291, 12.6209, 20.9151



2.5174, 1.2493, 2.3059

Inverse Universe

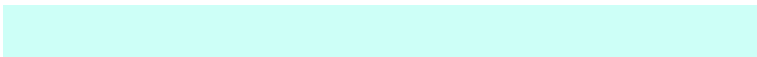
The Inverse Universe completely reimagines the original color for something new.



78.5056, 71.0986, 90.4757



75.3661, 65.7061, 86.6963



77.6757, 91.1949, 101.2355



18.5148, 18.1892, 21.3281



25.3291, 12.6209, 20.9151



2.5174, 1.2493, 2.3059

Previews

White Background



This preview shows how the XYZ color 78.5039, 71.0957, 90.4742 looks on a white background.

Color Contrast Check

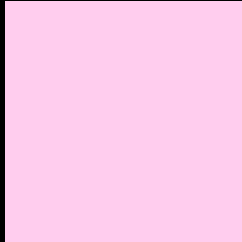
Large Text (above 18pt) WCAG AA × Fail

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 78.5039, 71.0957, 90.4742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

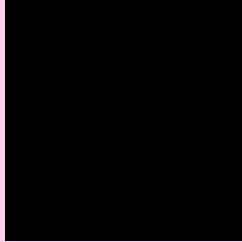
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.5039, 71.0957, 90.4742

Background



This preview shows how black text looks on a background with the XYZ color 78.5039, 71.0957, 90.4742.



This preview shows how white text looks on a background with the XYZ color 78.5039, 71.0957,

90.4742.

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

78.5039, 71.0957, 90.4742

Protanopia

70.0249, 71.3956, 97.2788

Deuteranopia

72.5388, 70.9683, 89.2319



Tritanopia

76.2754, 70.8901, 80.1840

Trichromacy



Original Color

78.5039, 71.0957, 90.4742



Protanomaly

72.6050, 70.8826, 94.6490



Deuteranomaly

74.6083, 70.9084, 89.8752



Tritanomaly

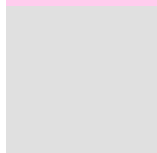
77.0872, 70.8706, 83.7452

Monochromacy



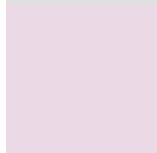
Original Color

78.5039, 71.0957, 90.4742



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

73.2167, 72.9450, 84.3496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.5039, 71.0957, 90.4742 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, 205, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 238)  
}
```

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, 205, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 238) }
```

Border

The CSS property to change the border of an element to XYZ 78.5039, 71.0957, 90.4742 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, 205, 238) }
```


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

```
.border{ border-color:rgb(255, 205, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 205, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
238) }
```

Background

The CSS property to change the background color of an element to XYZ 78.5039, 71.0957, 90.4742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 205, 238) }
```

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

```
.background{ background-color: rgb(255,  
205, 238) }
```

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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