

Converting Colors

XYZ(78.1323, 70.5655, 89.6934)

Have a look what the booklet for
XYZ(78.1323, 70.5655, 89.6934)
contains.

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Color

**XYZ(78.1189, 70.5602,
89.6229)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCCED
RGB	255, 204, 237
RGB Percent	100%, 80%, 93%
CMY	0.0000, 0.2000, 0.0706
CMYK	0.00, 0.20, 0.07, 0.00
HSL	321°, 100%, 90%
HSV	321°, 20%, 100%
XYZ	78.1189, 70.5602, 89.6229
YIQ	223.0110, 19.8030, 21.0750

Conversions

Conversions Part 2

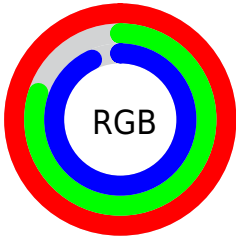
Format	Color
R _Y B	255, 204, 237
Decimal	16764141
CIE Lab	87.27, 23.22, -9.38
CIE LCh	87, 25.046, 338.003
Yxy	70.5602, 0.3278, 0.2961
Android (android.graphics.Color)	4294954221 (0xFFFFCCED)
YUV	223.0110, 6.8966, 28.0544
Hunter-Lab	84.0001, 19.0022, -4.4587

Details

The XYZ color **78.1189, 70.5602, 89.6229** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.8490, 89.6324, 82.5192**, and the grayscale version is **70.0913, 73.7415, 80.3045**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.5355, 37.1547, 48.6458** is the 20% darker color. If you saturate the color by 10%, you get **71.2650, 58.9040, 81.0129**, and if you desaturate by 10%, it is **86.0344, 84.2330, 98.9142**.

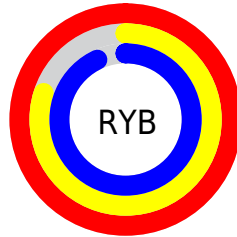
Distribution



Red (100%)

Green (80%)

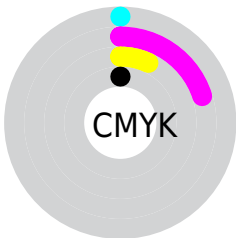
Blue (93%)



Red (100%)

Yellow (80%)

Blue (93%)

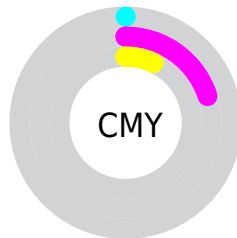


Cyan (0%)

Magenta (20%)

Yellow (7%)

Black (0%)



Cyan (0%)

Magenta (20%)

Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 78.1189, 70.5602, 89.6229 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 78.1189, 70.5602, 89.6229 by changing the saturation by 10% instead.

78.1189, 70.5602,
89.6229

78.1189, 70.5602,
89.6229

477.4042,
462.5145, 547.3418

58.4748, 51.9834,
67.0960

129.6822,
120.0073, 148.7454

42.4352, 36.9918,
48.7005

162.3321,
151.6463, 186.1781

29.6348, 25.2012,
34.0181

200.0479,
188.4083, 229.4164

19.7083, 16.2270,
22.6300

243.1951,
230.6774, 278.8789

12.2902, 9.6849,
14.1178

292.1390,
278.8382, 334.9842

7.0152, 5.1906,
8.0630

347.2449,

3.5180, 2.3595,

333.2751, 398.1507

4.0469

408.8781,
394.3724, 468.7971

■ 1.4333, 0.8049,
1.6511

■ 0.2797, 0.0000,
0.3269

■ 78.1189, 70.5602,
89.6229

■ 78.1189, 70.5602,
89.6229

■ 71.2650, 58.9040,
81.0129

■ 86.0344, 84.2330,
98.9142

■ 65.4185, 49.1589,
73.0588

95.0500, 100.0000,
108.9000

■ 60.5278, 41.2229,
65.7394

■ 56.5345, 34.9810,
59.0303

■ 53.3738, 30.3046,
52.9049

■ 50.9712, 27.0470,
47.3331

■ 49.2384, 25.0330,
42.2802

■ 48.0314, 23.9767,
37.6927

■ 48.0311, 23.9765,
37.6916

Harmonies

Analogous

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



74.2796, 70.5602, 105.3117



78.1189, 70.5602, 89.6229



78.9119, 70.5602, 72.4022

Triad

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



78.1189, 70.5602, 89.6229



65.5016, 70.5602, 48.9871



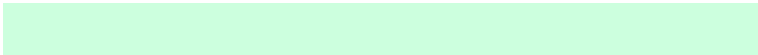
58.5346, 70.5602, 98.5685

Complementary

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



78.1189, 70.5602, 89.6229



73.8490, 89.6324, 82.5192

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.



56.4681, 70.5602, 81.4307



78.1189, 70.5602, 89.6229



60.3340, 70.5602, 54.0079

Square

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



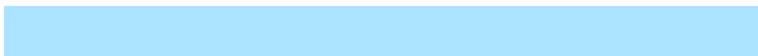
78.1189, 70.5602, 89.6229



71.3956, 70.5602, 50.5173



57.1070, 70.5602, 65.3129



62.9138, 70.5602, 110.9802

Rectangle

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



78.1189, 70.5602, 89.6229



77.5653, 70.5602, 62.5891



57.1070, 70.5602, 65.3129



57.5585, 70.5602, 93.0777

Sweetspot

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



78.1206, 70.5631, 89.6244



89.5044, 90.2807, 102.8223



69.7238, 65.9152, 103.6558



19.0337, 19.1073, 21.8699



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.



78.1206, 70.5631, 89.6244



75.2524, 65.6606, 86.0975



74.6745, 69.1847, 71.4777



18.5045, 18.1851, 21.2736



25.1709, 12.5576, 20.0821



2.5027, 1.2435, 2.2288

Inverse Universe

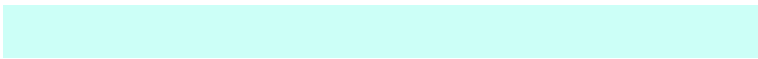
The Inverse Universe completely reimagines the original color for something new.



78.1206, 70.5631, 89.6244



75.2524, 65.6606, 86.0975



77.5062, 91.0953, 101.7780



18.5045, 18.1851, 21.2736



25.1709, 12.5576, 20.0821



2.5027, 1.2435, 2.2288

Previews

White Background



This preview shows how the XYZ color 78.1189, 70.5602, 89.6229 looks on a white background.

Color Contrast Check

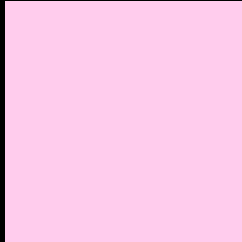
Large Text (above 18pt) WCAG AA × Fail

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 78.1189, 70.5602, 89.6229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

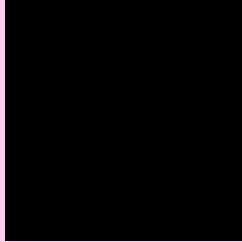
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.1189, 70.5602, 89.6229

Background



This preview shows how black text looks on a background with the XYZ color 78.1189, 70.5602, 89.6229.



This preview shows how white text looks on a background with the XYZ color 78.1189, 70.5602,

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

78.1189, 70.5602, 89.6229

Protanopia

69.3186, 70.6654, 96.3725

Deuteranopia

72.3939, 70.9103, 88.4687



Tritanopia

75.8986, 70.3530, 79.3912

Trichromacy



Original Color

78.1189, 70.5602, 89.6229

Protanomaly

72.2036, 70.3208, 93.7721

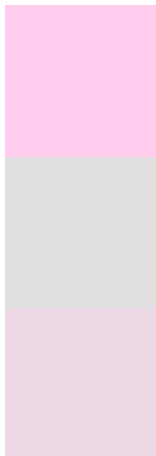
Deuteranomaly

74.4625, 70.8501, 89.1077

Tritanomaly

76.7080, 70.3349, 82.9318

Monochromacy



Original Color

78.1189, 70.5602, 89.6229

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

72.8204, 72.3753, 83.5306

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.1189, 70.5602, 89.6229 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, 204, 237)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 237)  
}
```

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, 204, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 237) }
```

Border

The CSS property to change the border of an element to XYZ 78.1189, 70.5602, 89.6229 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, 204, 237) }
```


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

```
.border{ border-color:rgb(255, 204, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 204, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
237) }
```

Background

The CSS property to change the background color of an element to XYZ 78.1189, 70.5602, 89.6229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 204, 237) }
```

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

```
.background{ background-color: rgb(255,  
204, 237) }
```

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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