

Converting Colors

XYZ(87.4350, 74.3116,
102.8916)

Have a look what the booklet for
XYZ(87.4350, 74.3116, 102.8916)
contains.

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Color

**XYZ(80.0902, 70.5929,
102.3331)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCAFD
RGB	255, 202, 253
RGB Percent	100%, 79%, 99%
CMY	0.0000, 0.2078, 0.0078
CMYK	0.00, 0.21, 0.01, 0.00
HSL	302°, 100%, 90%
HSV	302°, 21%, 100%
XYZ	80.0902, 70.5929, 102.3331
YIQ	223.6610, 15.2170, 27.0970

Conversions

Conversions Part 2

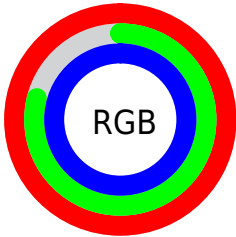
Format	Color
R _Y B	255, 202, 253
Decimal	16763645
CIE Lab	87.29, 27.06, -17.83
CIE LCh	87, 32.404, 326.626
Yxy	70.5929, 0.3165, 0.2790
Android (android.graphics.Color)	4294953725 (0xFFFFCAFD)
YUV	223.6610, 14.4641, 27.4843
Hunter-Lab	84.0196, 23.1177, -13.3996

Details

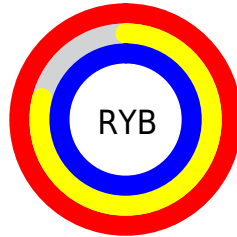
The XYZ color **80.0902, 70.5929, 102.3331** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **71.0183, 88.4372, 70.4565**, and the grayscale version is **70.5036, 74.1753, 80.7769**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.8424, 37.1711, 57.0885** is the 20% darker color. If you saturate the color by 10%, you get **74.4416, 59.5401, 99.6972**, and if you desaturate by 10%, it is **86.7311, 83.6286, 105.3056**.

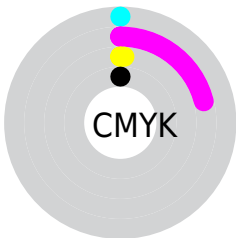
Distribution



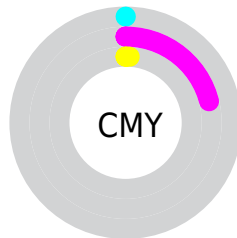
- Red (100%)
- Green (79%)
- Blue (99%)



- Red (100%)
- Yellow (79%)
- Blue (99%)



- Cyan (0%)
- Magenta (21%)
- Yellow (1%)
- Black (0%)





- Cyan (0%)
- Magenta (21%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.0902, 70.5929, 102.3331 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 80.0902, 70.5929, 102.3331 by changing the saturation by 10% instead.

 80.0902, 70.5929,
102.3331

 80.0902, 70.5929,
102.3331


483.9687,
462.6291, 588.9576

 60.1013, 52.0100,
77.6227


132.4424,
120.0539, 166.4395

 43.7501, 37.0131,
57.2495

165.5364,
151.7008, 206.6726

 30.6711, 25.2176,
40.7949


203.7295,
188.4712, 252.9170

 20.4992, 16.2393,
27.8404


247.3870,
230.7494, 305.5912

 12.8688, 9.6936,
17.9674

296.8744,
278.9200, 365.1139

 7.4146, 5.1963,
10.7574

352.5568,

 3.7713, 2.3629,

333.3671, 431.9035

5.7918

414.7998,
394.4754, 506.3785

■ 1.5736, 0.8067,
2.6522

■ 0.3751, 0.0000,
0.9192

■ 80.0902, 70.5929,
102.3331

■ 80.0902, 70.5929,
102.3331

■ 74.4416, 59.5401,
99.6972

■ 86.7311, 83.6286,
105.3056

■ 69.7324, 50.3650,
97.3771

■ 94.4050, 98.7293,
108.6253

■ 65.9113, 42.9650,
95.3570

■ 95.0500, 100.0000,
108.9000

■ 62.9207, 37.2246,
93.6175

■ 60.6958, 33.0146,
92.1370

■ 59.1627, 30.1867,
90.8908

■ 58.2324, 28.5634,
89.8494

■ 57.7799, 27.8760,
89.0278

Harmonies

Analogous

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



73.8790, 70.5929, 120.8057



80.0902, 70.5929, 102.3331



82.8105, 70.5929, 79.3596

Triad

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



80.0902, 70.5929, 102.3331



67.9624, 70.5929, 42.1250



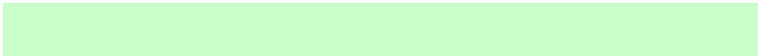
54.8329, 70.5929, 97.2436

Complementary

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



80.0902, 70.5929, 102.3331



71.0183, 88.4372, 70.4565

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.



53.5078, 70.5929, 74.4206



80.0902, 70.5929, 102.3331



60.7422, 70.5929, 45.1248

Square

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



80.0902, 70.5929, 102.3331



75.4830, 70.5929, 46.8784



55.5900, 70.5929, 56.0152



59.3553, 70.5929, 117.4982

Rectangle

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



80.0902, 70.5929, 102.3331



82.1367, 70.5929, 65.4723



55.5900, 70.5929, 56.0152



54.0143, 70.5929, 89.5052

Sweetspot

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



80.0917, 70.5956, 102.3346



90.2691, 90.5866, 106.8487



64.0113, 62.2689, 103.2531



19.2148, 19.1798, 22.8239



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.



80.0917, 70.5956, 102.3346



77.5906, 65.6968, 101.1824



76.1906, 69.0352, 81.7918



18.7613, 18.2878, 22.6263



30.2044, 14.5710, 46.5882



2.9498, 1.4223, 4.5829

Inverse Universe

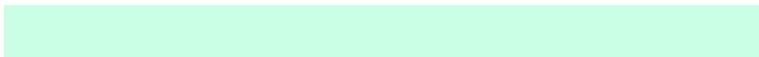
The Inverse Universe completely reimagines the original color for something new.



80.0917, 70.5956, 102.3346



77.5906, 65.6968, 101.1824



74.4394, 89.8057, 88.4722



18.7613, 18.2878, 22.6263



30.2044, 14.5710, 46.5882



2.9498, 1.4223, 4.5829

Previews

White Background



This preview shows how the XYZ color 80.0902, 70.5929, 102.3331 looks on a white background.

Color Contrast Check

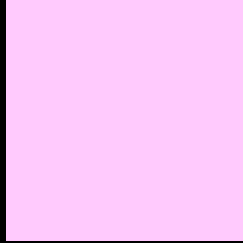
Large Text (above 18pt) WCAG AA × Fail

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 80.0902, 70.5929, 102.3331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

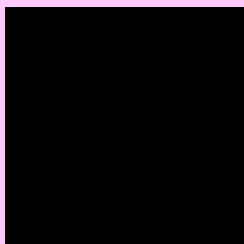
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.0902, 70.5929, 102.3331

Background



This preview shows how black text looks on a background with the XYZ color 80.0902, 70.5929, 102.3331.



This preview shows how white text looks on a background with the XYZ color 80.0902, 70.5929,

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

80.0902, 70.5929, 102.3331

Protanopia

69.7268, 70.6946, 104.5782

Deuteranopia

72.2582, 70.5611, 101.0780



Tritanopia

75.4158, 70.4626, 79.4378

Trichromacy



Original Color

80.0902, 70.5929, 102.3331

Protanomaly

73.1114, 70.5736, 103.5346

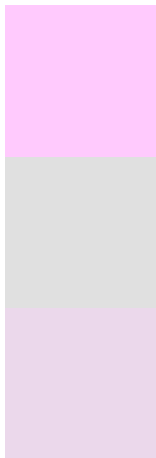
Deuteranomaly

74.9632, 70.4621, 101.7450

Tritanomaly

76.8275, 70.2986, 87.3616

Monochromacy



Original Color

80.0902, 70.5929, 102.3331

Achromatopsia

70.8507, 74.5404, 81.1745

Achromatomaly

73.8122, 72.7721, 88.7534

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0902, 70.5929, 102.3331 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, 202, 253)` looks like.

```
.text, #text, p{  
    color:rgb(255, 202, 253)  
}
```

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, 202, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 202, 253) }
```

Border

The CSS property to change the border of an element to XYZ 80.0902, 70.5929, 102.3331 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, 202, 253) }
```


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

```
.border{ border-color:rgb(255, 202, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 202, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 202, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 202, 253);  
box-shadow:4px 4px 4px 4px rgb(255, 202,  
253) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0902, 70.5929, 102.3331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 202, 253) }
```

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

```
.background{ background-color: rgb(255,  
202, 253) }
```

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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