

Converting Colors

XYZ(80.0478, 71.3317, 99.7802)

Have a look what the booklet for
XYZ(80.0478, 71.3317, 99.7802)
contains.

XYZ(80.0882, 71.3479, 99.9929)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(80.0882, 71.3479,
99.9929)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCCFA
RGB	255, 204, 250
RGB Percent	100%, 80%, 98%
CMY	0.0000, 0.2000, 0.0196
CMYK	0.00, 0.20, 0.02, 0.00
HSL	306°, 100%, 90%
HSV	306°, 20%, 100%
XYZ	80.0882, 71.3479, 99.9929
YIQ	224.4930, 15.6300, 25.1180

Conversions

Conversions Part 2

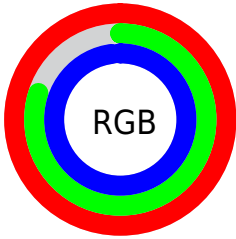
Format	Color
R _Y B	255, 204, 250
Decimal	16764154
CIE Lab	87.65, 25.48, -15.69
CIE LCh	88, 29.918, 328.375
Yxy	71.3479, 0.3185, 0.2838
Android (android.graphics.Color)	4294954234 (0xFFFFCCFA)
YUV	224.4930, 12.5750, 26.7546
Hunter-Lab	84.4677, 21.4267, -11.0602

Details

The XYZ color **80.0882, 71.3479, 99.9929** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.1726, 88.9619, 73.6921**, and the grayscale version is **71.1107, 74.8140, 81.4724**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.6618, 37.3509, 55.3603** is the 20% darker color. If you saturate the color by 10%, you get **74.1273, 60.0489, 96.0857**, and if you desaturate by 10%, it is **87.0497, 84.6391, 104.2612**.

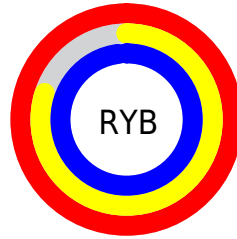
Distribution



Red (100%)

Green (80%)

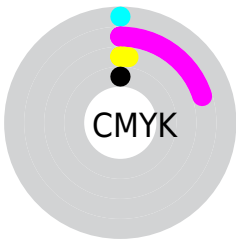
Blue (98%)



Red (100%)

Yellow (80%)

Blue (98%)

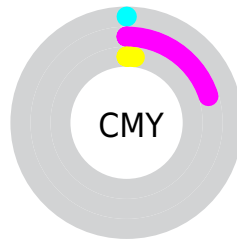


Cyan (0%)

Magenta (20%)

Yellow (2%)

Black (0%)



Cyan (0%)


Magenta (20%)


Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.0882, 71.3479, 99.9929 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 80.0882, 71.3479, 99.9929 by changing the saturation by 10% instead.


 80.0882, 71.3479,
99.9929

 80.0882, 71.3479,
99.9929


483.9620,
465.2687, 581.4164

 60.0997, 52.6262,
75.6778


132.4396,
121.1290, 163.1992

 43.7487, 37.5044,
55.6632


165.5332,
152.9571, 202.9275

 30.6701, 25.5983,
39.5308


203.7258,
189.9228, 248.6305

 20.4983, 16.5234,
26.8619


247.3828,
232.4104, 300.7269

 12.8682, 9.8952,
17.2380

296.8696,
280.8044, 359.6351

 7.4142, 5.3296,
10.2406

352.5515,

 3.7711, 2.4419,

335.4892, 425.7737

5.4511

414.7938,
396.8492, 499.5613

■ 1.5735, 0.8473,
2.4510

■ 0.3750, 0.0000,
0.8140

■ 80.0882, 71.3479,
99.9929

■ 80.0882, 71.3479,
99.9929

■ 74.1273, 60.0489,
96.0857

■ 87.0497, 84.6391,
104.2612

■ 69.1139, 50.6371,
92.5190

95.0500, 100.0000,
108.9000

■ 64.9975, 43.0108,
89.2767

■ 61.7205, 37.0553,
86.3395

■ 59.2191, 32.6427,
83.6861

■ 57.4200, 29.6265,
81.2919

■ 56.2357, 27.8320,
79.1277

■ 55.5236, 26.9735,
77.1459

■ 55.5234, 26.9734,
77.1454

Harmonies

Analogous

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



74.4965, 71.3479, 117.3193



80.0882, 71.3479, 99.9929



82.3637, 71.3479, 78.7977

Triad

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



80.0882, 71.3479, 99.9929



68.2012, 71.3479, 44.8477



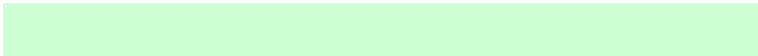
56.5198, 71.3479, 97.7418

Complementary

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



80.0882, 71.3479, 99.9929



72.1726, 88.9619, 73.6921

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.



55.0874, 71.3479, 76.5842



80.0882, 71.3479, 99.9929



61.5436, 71.3479, 48.1653

Square

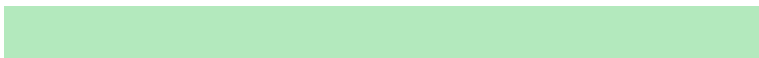
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



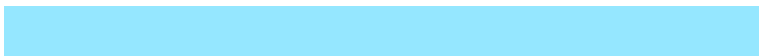
80.0882, 71.3479, 99.9929



75.2114, 71.3479, 48.9745



56.8627, 71.3479, 58.9705



60.9184, 71.3479, 115.8685

Rectangle

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



80.0882, 71.3479, 99.9929



81.5818, 71.3479, 66.0244



56.8627, 71.3479, 58.9705



55.6895, 71.3479, 90.6451

Sweetspot

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



80.0898, 71.3507, 99.9944



90.1213, 90.5275, 106.0705



65.7286, 63.8555, 103.4688



19.1798, 19.1658, 22.6393



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.



80.0898, 71.3507, 99.9944



77.5863, 66.5942, 98.3879



76.4595, 69.8986, 80.8775



18.7114, 18.2679, 22.3633



29.0436, 14.1067, 40.4754



2.8492, 1.3821, 4.0533

Inverse Universe

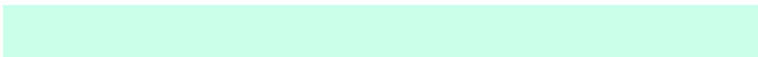
The Inverse Universe completely reimagines the original color for something new.



80.0898, 71.3507, 99.9944



77.5863, 66.5942, 98.3879



75.4792, 90.2845, 91.1040



18.7114, 18.2679, 22.3633



29.0436, 14.1067, 40.4754



2.8492, 1.3821, 4.0533

Previews

White Background



This preview shows how the XYZ color 80.0882, 71.3479, 99.9929 looks on a white background.

Color Contrast Check

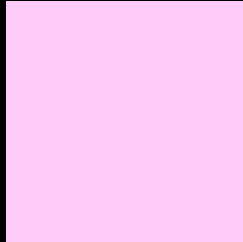
Large Text (above 18pt) WCAG AA × Fail

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 80.0882, 71.3479, 99.9929 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 80.0882, 71.3479, 99.9929

Background



This preview shows how black text looks on a background with the XYZ color 80.0882, 71.3479, 99.9929.



This preview shows how white text looks on a background with the XYZ color 80.0882, 71.3479,

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

80.0882, 71.3479, 99.9929

Protanopia

70.5620, 71.5089, 104.6913

Deuteranopia

72.9848, 71.3644, 98.7349



Tritanopia

75.9301, 71.0572, 80.9476

Trichromacy



Original Color

80.0882, 71.3479, 99.9929



Protanomaly

73.5188, 71.1743, 102.7917



Deuteranomaly

75.4054, 71.1099, 99.3738



Tritanomaly

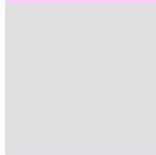
77.3090, 71.2616, 87.5221

Monochromacy



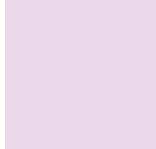
Original Color

80.0882, 71.3479, 99.9929



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

73.7818, 73.1711, 87.3255

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0882, 71.3479, 99.9929 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(255, 204, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 204, 250) }
```

Border

The CSS property to change the border of an element to XYZ 80.0882, 71.3479, 99.9929 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, 250) }
```


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

```
.border{ border-color:rgb(255, 204, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 204, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 204, 250);  
box-shadow:4px 4px 4px 4px rgb(255, 204,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0882, 71.3479, 99.9929 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, 250) }
```

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

```
.background{ background-color: rgb(255,  
204, 250) }
```

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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