

Converting Colors

XYZ(95.5980, 79.6724, 99.4160)

Have a look what the booklet for
XYZ(95.5980, 79.6724, 99.4160)
contains.

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Color

**XYZ(80.0146, 71.7000,
98.4292)**

Conversions

Conversions Part 1

Format	Color
Hex	FFCDF8
RGB	255, 205, 248
RGB Percent	100%, 80%, 97%
CMY	0.0000, 0.1961, 0.0274
CMYK	0.00, 0.20, 0.03, 0.00
HSL	308°, 100%, 90%
HSV	308°, 20%, 100%
XYZ	80.0146, 71.7000, 98.4292
YIQ	224.8520, 15.9970, 23.9730

Conversions

Conversions Part 2

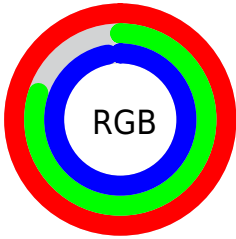
Format	Color
R _Y B	255, 205, 248
Decimal	16764408
CIE _{Lab}	87.82, 24.60, -14.38
CIE _{LCh}	88, 28.490, 329.695
Yxy	71.7000, 0.3199, 0.2866
Android (android.graphics.Color)	4294954488 (0xFFFFCDF8)
YUV	224.8520, 11.4120, 26.4398
Hunter-Lab	84.6759, 20.4912, -9.6470

Details

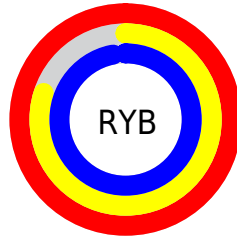
The XYZ color **80.0146, 71.7000, 98.4292** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.8227, 89.2537, 75.6799**, and the grayscale version is **71.3759, 75.0930, 81.7763**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **43.7095, 37.6242, 54.8276** is the 20% darker color. If you saturate the color by 10%, you get **73.8564, 60.2613, 93.6708**, and if you desaturate by 10%, it is **87.1806, 85.1367, 103.5776**.

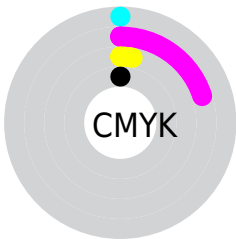
Distribution



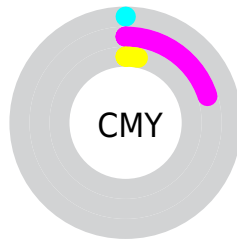
- Red (100%)
- Green (80%)
- Blue (97%)



- Red (100%)
- Yellow (80%)
- Blue (97%)



- Cyan (0%)
- Magenta (20%)
- Yellow (3%)
- Black (0%)



- Cyan (0%)
- Magenta (20%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.0146, 71.7000, 98.4292 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 80.0146, 71.7000, 98.4292 by changing the saturation by 10% instead.

80.0146, 71.7000,
98.4292

80.0146, 71.7000,
98.4292

483.7178,
466.4967, 576.3483

60.0389, 52.9136,
74.3798

132.3367,
121.6299, 161.0299

43.6995, 37.7338,
54.6063

165.4137,
153.5423, 200.4182

30.6313, 25.7762,
38.6901

203.5886,
190.5987, 245.7566

20.4687, 16.6563,
26.2128

247.2267,
233.1837, 297.4636

12.8464, 9.9897,
16.7557

296.6933,
281.6816, 355.9577

7.3991, 5.3921,
9.9003

352.3538,

3.7615, 2.4791,

336.4768, 421.6575

5.2282

414.5735,
397.9537, 494.9815

■ 1.5681, 0.8662,
2.3207

■ 0.3715, 0.0000,
0.7428

■ 80.0146, 71.7000,
98.4292

■ 80.0146, 71.7000,
98.4292

■ 73.8564, 60.2613,
93.6708

■ 87.1806, 85.1367,
103.5776

■ 68.6531, 50.7158,
89.2816

95.0500, 100.0000,
108.9000

■ 64.3541, 42.9622,
85.2453

■ 60.9022, 36.8862,
81.5427

■ 58.2338, 32.3606,
78.1522

■ 56.2758, 29.2395,
75.0491

■ 54.9417, 27.3498,
72.2045

■ 54.0955, 26.4197,
69.5725

■ 54.0660, 26.3904,
69.4710

Harmonies

Analogous

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



74.8019, 71.7000, 115.1322



80.0146, 71.7000, 98.4292



82.0101, 71.7000, 78.2675

Triad

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



80.0146, 71.7000, 98.4292



68.2179, 71.7000, 46.4120



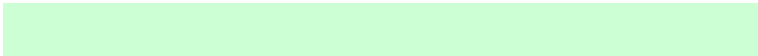
57.4562, 71.7000, 98.0290

Complementary

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



80.0146, 71.7000, 98.4292



72.8227, 89.2537, 75.6799

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.



55.9444, 71.7000, 77.8710



80.0146, 71.7000, 98.4292



61.9022, 71.7000, 49.9594

Square

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



80.0146, 71.7000, 98.4292



74.9295, 71.7000, 50.1068



57.5180, 71.7000, 60.7301



61.7898, 71.7000, 114.8755

Rectangle

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



80.0146, 71.7000, 98.4292



81.1519, 71.7000, 66.1684



57.5180, 71.7000, 60.7301



56.6145, 71.7000, 91.3174

Sweetspot

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



80.0162, 71.7029, 98.4307



90.0189, 90.4865, 105.5312



66.9396, 64.8338, 103.5938



19.1555, 19.1561, 22.5114



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.



80.0162, 71.7029, 98.4307



77.1883, 66.4350, 96.2923



76.4375, 70.2714, 79.5856



18.6769, 18.2541, 22.1814



28.2928, 13.8064, 36.5218



2.7835, 1.3558, 3.7075

Inverse Universe

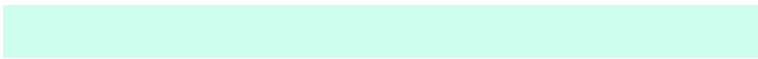
The Inverse Universe completely reimagines the original color for something new.



80.0162, 71.7029, 98.4307



77.1883, 66.4350, 96.2923



76.1762, 90.5951, 93.3390



18.6769, 18.2541, 22.1814



28.2928, 13.8064, 36.5218



2.7835, 1.3558, 3.7075

Previews

White Background



This preview shows how the XYZ color 80.0146, 71.7000, 98.4292 looks on a white background.

Color Contrast Check

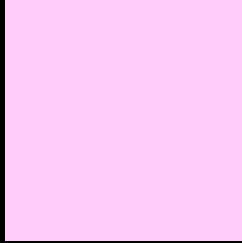
Large Text (above 18pt) WCAG AA × Fail

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 80.0146, 71.7000, 98.4292 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

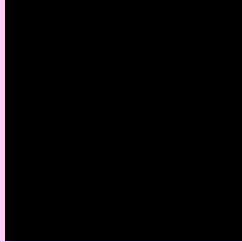
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.0146, 71.7000, 98.4292

Background



This preview shows how black text looks on a background with the XYZ color 80.0146, 71.7000, 98.4292.



This preview shows how white text looks on a background with the XYZ color 80.0146, 71.7000,

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

80.0146, 71.7000, 98.4292

Protanopia

71.1131, 72.1792, 104.7917

Deuteranopia

73.5681, 72.0777, 97.2237



Tritanopia

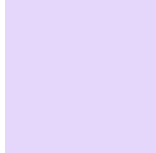
76.5360, 71.7326, 81.0461

Trichromacy



Original Color

80.0146, 71.7000, 98.4292



Protanomaly

73.9304, 71.7794, 102.0537



Deuteranomaly

75.6794, 71.6547, 97.8377



Tritanomaly

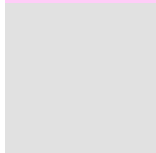
77.7719, 71.8776, 86.8655

Monochromacy



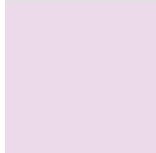
Original Color

80.0146, 71.7000, 98.4292



Achromatopsia

71.5672, 75.2942, 81.9954



Achromatomaly

74.3715, 73.8589, 87.4272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.0146, 71.7000, 98.4292 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, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 205, 248)  
}
```

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, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 205, 248) }
```

Border

The CSS property to change the border of an element to XYZ 80.0146, 71.7000, 98.4292 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, 248) }
```


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

```
.border{ border-color:rgb(255, 205, 248) }
```

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, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 205, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 205, 248);  
box-shadow:4px 4px 4px 4px rgb(255, 205,  
248) }
```

Background

The CSS property to change the background color of an element to XYZ 80.0146, 71.7000, 98.4292 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, 248) }
```

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

```
.background{ background-color: rgb(255,  
205, 248) }
```

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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