

Converting Colors

XYZ(78.5478, 69.9803,
103.9754)

Have a look what the booklet for
XYZ(78.5478, 69.9803, 103.9754)
contains.

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Color

**XYZ(78.4729, 70.0716,
103.9969)**

Conversions

Conversions Part 1

Format	Color
Hex	F9CBFF
RGB	249, 203, 255
RGB Percent	98%, 80%, 100%
CMY	0.0235, 0.2039, 0.0000
CMYK	0.02, 0.20, 0.00, 0.00
HSL	293°, 100%, 90%
HSV	293°, 20%, 100%
XYZ	78.4729, 70.0716, 103.9969
YIQ	222.6820, 10.7240, 25.9240

Conversions

Conversions Part 2

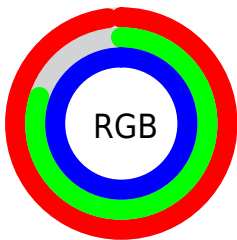
Format	Color
R_{YB}	249, 203, 255
Decimal	16370687
CIE _{Lab}	87.03, 24.96, -19.32
CIE _{LCh}	87, 31.563, 322.256
Yxy	70.0716, 0.3107, 0.2775
Android (android.graphics.Color)	4294560767 (0xFFFF9CBFF)
YUV	222.6820, 15.9328, 23.0809
Hunter-Lab	83.7088, 20.8447, -15.0637

Details

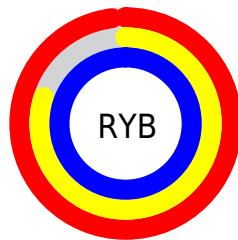
The XYZ color **78.4729, 70.0716, 103.9969** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **72.8356, 89.3879, 69.9181**, and the grayscale version is **69.8007, 73.4357, 79.9715**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **42.6787, 36.7786, 58.2756** is the 20% darker color. If you saturate the color by 10%, you get **71.8994, 58.4681, 102.1037**, and if you desaturate by 10%, it is **86.0571, 83.6703, 106.2220**.

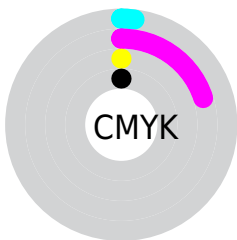
Distribution



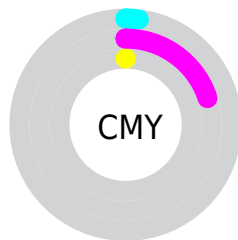
- Red (98%)
- Green (80%)
- Blue (100%)



- Red (98%)
- Yellow (80%)
- Blue (100%)



- Cyan (2%)
- Magenta (20%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (20%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 78.4729, 70.0716, 103.9969 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 78.4729, 70.0716, 103.9969 by changing the saturation by 10% instead.


 78.4729, 70.0716,
103.9969

 78.4729, 70.0716,
103.9969


478.5866,
460.8014, 594.2883

 58.7667, 51.5849,
79.0073


130.1784,
119.3109, 168.7387

 42.6710, 36.6743,
58.3804


162.9084,
150.8322, 209.3279

 29.8204, 24.9554,
41.6978


200.7103,
187.4672, 255.9541

 19.8497, 16.0439,
28.5410

243.9495,
229.6003, 309.0358

 12.3935, 9.5552,
18.4913

292.9914,
277.6159, 368.9915

 7.0864, 5.1050,
11.1302

348.2013,

 3.5630, 2.3090,

331.8983, 436.2398

6.0392

409.9446,
392.8320, 511.1992

■ 1.4580, 0.7785,
2.7998

■ 0.2970, 0.0000,
0.9933

■ 78.4729, 70.0716,
103.9969

■ 78.4729, 70.0716,
103.9969

■ 71.8994, 58.4681,
102.1037

■ 86.0571, 83.6703,
106.2220

■ 66.2822, 48.7541,
100.5248

94.6913, 99.3453,
108.7925

■ 61.5710, 40.8276,
99.2431

95.0500, 100.0000,
108.9000

■ 57.7079, 34.5735,
98.2395

■ 54.6287, 29.8632,
97.4927

■ 52.2596, 26.5492,
96.9779

■ 50.5124, 24.4555,
96.6658

■ 49.2836, 23.3215,
96.5117

Harmonies

Analogous

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



72.1254, 70.0716, 120.4641



78.4729, 70.0716, 103.9969



81.6861, 70.0716, 81.9084

Triad

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



78.4729, 70.0716, 103.9969



68.5328, 70.0716, 42.6765



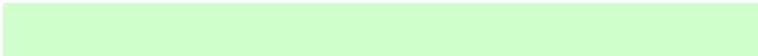
54.3039, 70.0716, 92.7590

Complementary

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



78.4729, 70.0716, 103.9969



72.8356, 89.3879, 69.9181

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.



53.4977, 70.0716, 70.9461



78.4729, 70.0716, 103.9969



61.3661, 70.0716, 44.5071

Square

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



78.4729, 70.0716, 103.9969



75.6772, 70.0716, 48.4437



55.9912, 70.0716, 54.0106



58.2810, 70.0716, 113.1852

Rectangle

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



78.4729, 70.0716, 103.9969



81.4639, 70.0716, 67.9844



55.9912, 70.0716, 54.0106



53.6656, 70.0716, 85.2589

Sweetspot

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



78.4749, 70.0746, 103.9974



89.7155, 90.2905, 107.3070



65.4981, 65.5533, 103.8087



19.0835, 19.1096, 22.9327



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.



78.4749, 70.0746, 103.9974



75.9874, 65.6601, 103.2764



77.6026, 69.9766, 88.0661



18.5742, 18.1877, 22.7816



25.8340, 12.2284, 50.4333



2.5714, 1.2195, 4.9131

Inverse Universe

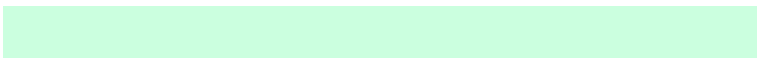
The Inverse Universe completely reimagines the original color for something new.



74.1063, 68.5781, 69.6549



71.0134, 63.9651, 63.7757



73.7008, 89.5416, 83.1661



18.0946, 18.0211, 19.1152



21.6942, 11.1670, 1.7742



2.1384, 1.0977, 0.3104

Previews

White Background



This preview shows how the XYZ color 78.4729, 70.0716, 103.9969 looks on a white background.

Color Contrast Check

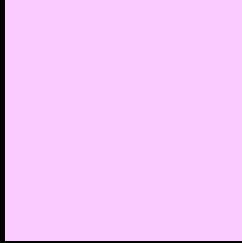
Large Text (above 18pt) WCAG AA × Fail

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 78.4729, 70.0716, 103.9969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

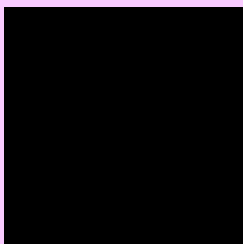
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 78.4729, 70.0716, 103.9969

Background



This preview shows how black text looks on a background with the XYZ color 78.4729, 70.0716, 103.9969.



This preview shows how white text looks on a background with the XYZ color 78.4729, 70.0716,

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

78.4729, 70.0716, 103.9969

Protanopia

69.4412, 70.5473, 104.5648

Deuteranopia

71.9553, 70.3683, 102.7185



Tritanopia

73.8027, 69.9605, 80.8481

Trichromacy



Original Color

78.4729, 70.0716, 103.9969

Protanomaly

72.3340, 70.1543, 104.3365

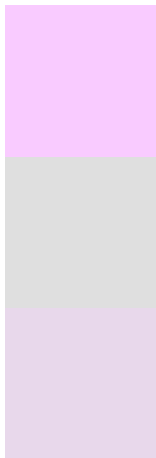
Deuteranomaly

73.9686, 69.9125, 103.3618

Tritanomaly

75.2177, 69.7916, 88.8636

Monochromacy



Original Color

78.4729, 70.0716, 103.9969

Achromatopsia

70.1384, 73.7910, 80.3584

Achromatomaly

72.8300, 72.2657, 88.7074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 78.4729, 70.0716, 103.9969 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(249, 203, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 203, 255)  
}
```

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(249, 203, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 203, 255) }
```

Border

The CSS property to change the border of an element to XYZ 78.4729, 70.0716, 103.9969 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(249, 203, 255) }
```


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

```
.border{ border-color:rgb(249, 203, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 203, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 203, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 203, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 203,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 78.4729, 70.0716, 103.9969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 203, 255) }
```

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

```
.background{ background-color: rgb(249,  
203, 255) }
```

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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