

# Converting Colors

XYZ(82.5016, 74.1640,  
103.8888)

Have a look what the booklet for  
XYZ(82.5016, 74.1640, 103.8888)  
contains.

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# Color

**XYZ(81.9299, 74.0167,  
103.7344)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | FFD1FE                     |
| RGB         | 255, 209, 254              |
| RGB Percent | 100%, 82%, 100%            |
| CMY         | 0.0000, 0.1804, 0.0039     |
| CMYK        | 0.00, 0.18, 0.00, 0.00     |
| HSL         | 301°, 100%, 91%            |
| HSV         | 301°, 18%, 100%            |
| XYZ         | 81.9299, 74.0167, 103.7344 |
| YIQ         | 227.8840, 12.9710, 23.7470 |

# Conversions

## Conversions Part 2

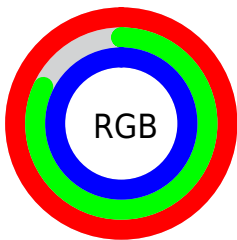
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| R <sub>Y</sub> B                    | 255, 209, 254                 |
| Decimal                             | 16765438                      |
| CIE <sub>Lab</sub>                  | 88.93, 23.57, -15.88          |
| CIE <sub>LCh</sub>                  | 89, 28.418, 326.021           |
| Y <sub>xy</sub>                     | 74.0167, 0.3155,<br>0.2850    |
| Android<br>(android.graphics.Color) | 4294955518<br>(0xFFFFD1FE)    |
| Y <sub>UV</sub>                     | 227.8840, 12.8752,<br>23.7807 |
| Hunter-Lab                          | 86.0330, 19.4294,<br>-11.2660 |

# Details

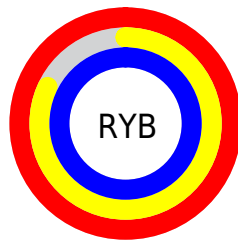
The XYZ color **81.9299, 74.0167, 103.7344** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **73.6895, 89.7295, 74.4114**, and the grayscale version is **73.5618, 77.3927, 84.2807**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9223, 39.1482, 58.0120** is the 20% darker color. If you saturate the color by 10%, you get **76.0790, 62.4564, 101.3483**, and if you desaturate by 10%, it is **88.7854, 87.5854, 106.4588**.

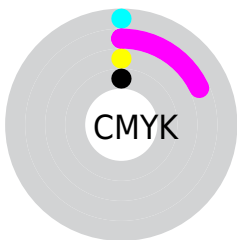
# Distribution



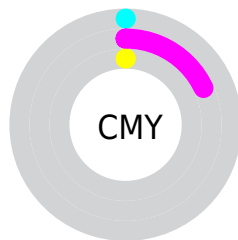
- Red (100%)
- Green (82%)
- Blue (100%)



- Red (100%)
- Yellow (82%)
- Blue (100%)



- Cyan (0%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)




- Cyan (0%)
- Magenta (18%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9299, 74.0167, 103.7344 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 81.9299, 74.0167, 103.7344 by changing the saturation by 10% instead.




 81.9299, 74.0167,  
103.7344

 81.9299, 74.0167,  
103.7344

490.0512,  
474.5310, 593.4489

 61.6217, 54.8077,  
78.7887


135.0120,  
124.9195, 168.3762

 44.9815, 39.2478,  
58.2018


168.5166,  
157.3821, 208.9094

 31.6441, 26.9525,  
41.5552


207.1507,  
195.0313, 255.4755

 21.2440, 17.5376,  
28.4302

251.2797,  
238.2516, 308.4931

 13.4160, 10.6185,  
18.4083

301.2689,  
287.4273, 368.3807

 7.7946, 5.8109,  
11.0711

357.4836,

 4.0145, 2.7305,

342.9428, 435.5568

5.9999

420.2893,  
405.1826, 510.4401

■ 1.7103, 0.9927,  
2.7762

■ 0.4627, 0.0000,  
0.9815

■ 81.9299, 74.0167,  
103.7344

■ 81.9299, 74.0167,  
103.7344

■ 76.0790, 62.4564,  
101.3483

■ 88.7854, 87.5854,  
106.4588

■ 71.1806, 52.8008,  
99.2798

95.0500, 100.0000,  
108.9000

■ 67.1847, 44.9499,  
97.5135

■ 64.0352, 38.7913,  
96.0306

■ 61.6695, 34.2000,  
94.8102

■ 60.0165, 31.0337,  
93.8286

■ 58.9922, 29.1243,  
93.0579

■ 58.4825, 28.2439,  
92.4600

■ 58.4112, 28.1285,  
92.3523

# Harmonies

## Analogous

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



76.3300, 74.0167, 119.7633



81.9299, 74.0167, 103.7344



84.4258, 74.0167, 83.2554

# Triad

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



81.9299, 74.0167, 103.7344



71.2747, 74.0167, 48.3322



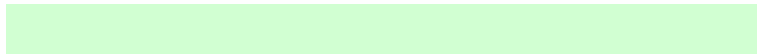
59.0944, 74.0167, 98.4271

# Complementary

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



81.9299, 74.0167, 103.7344



73.6895, 89.7295, 74.4114

# 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.



57.9338, 74.0167, 77.9852



81.9299, 74.0167, 103.7344



64.6920, 74.0167, 51.0545

# Square

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



81.9299, 74.0167, 103.7344



78.0251, 74.0167, 53.0229



59.9173, 74.0167, 61.1754



63.1967, 74.0167, 116.3646



# Rectangle

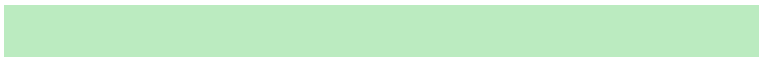
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9299, 74.0167, 103.7344



83.8815, 74.0167, 70.5578



59.9173, 74.0167, 61.1754



58.3593, 74.0167, 91.5343

# Sweetspot

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



81.9315, 74.0196, 103.7360



91.0720, 92.1154, 107.3543



67.3654, 66.4920, 103.8914



19.3781, 19.4884, 22.9333



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.



81.9315, 74.0196, 103.7360



79.4949, 69.2026, 102.7505



78.4991, 72.6466, 85.6613



18.7746, 18.2932, 22.6964



30.5288, 14.7008, 48.2968



2.9777, 1.4335, 4.7300



# Inverse Universe

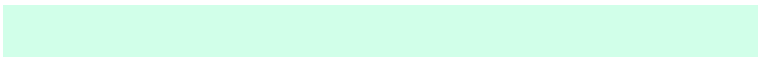
The Inverse Universe completely reimagines the original color for something new.



81.9315, 74.0196, 103.7360



79.4949, 69.2026, 102.7505



76.7312, 90.9462, 90.4284



18.7746, 18.2932, 22.6964



30.5288, 14.7008, 48.2968



2.9777, 1.4335, 4.7300



# Previews

## White Background



This preview shows how the XYZ color 81.9299, 74.0167, 103.7344 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

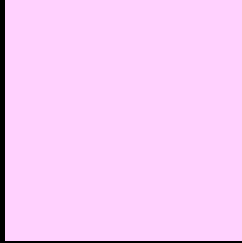
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.9299, 74.0167, 103.7344 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 81.9299, 74.0167, 103.7344

## Background



This preview shows how black text looks on a background with the XYZ color 81.9299, 74.0167, 103.7344.



This preview shows how white text looks on a background with the XYZ color 81.9299, 74.0167,

103.7344.

# 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

81.9299, 74.0167, 103.7344

### Protanopia

72.7865, 74.2143, 105.0963

### Deuteranopia

75.9208, 74.3269, 102.4405



## Tritanopia

78.2221, 73.9971, 85.0230

# Trichromacy



## Original Color

81.9299, 74.0167, 103.7344



## Protanomaly

75.8179, 73.8346, 104.8632



## Deuteranomaly

77.9652, 74.2180, 103.1448



## Tritanomaly

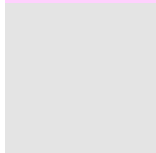
79.6315, 74.2016, 91.7867

# Monochromacy



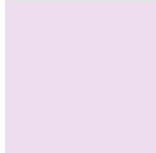
## Original Color

81.9299, 74.0167, 103.7344



## Achromatopsia

73.7419, 77.5822, 84.4870



## Achromatomaly

76.4024, 76.0045, 90.7643

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.9299, 74.0167, 103.7344 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, 209, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 209, 254)  
}
```

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, 209, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 209, 254) }
```

## Border

The CSS property to change the border of an element to XYZ 81.9299, 74.0167, 103.7344 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, 209, 254) }
```



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

```
.border{ border-color:rgb(255, 209, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 209, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 209, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 209, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 209,  
254) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.9299, 74.0167, 103.7344 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 209, 254) }
```

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

```
.background{ background-color: rgb(255,  
209, 254) }
```

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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