

Converting Colors

XYZ(81.8307, 76.8388,
105.1262)

Have a look what the booklet for
XYZ(81.8307, 76.8388, 105.1262)
contains.

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Color

**XYZ(81.9298, 76.9854,
105.1493)**

Conversions

Conversions Part 1

Format	Color
Hex	F9D9FF
RGB	249, 217, 255
RGB Percent	98%, 85%, 100%
CMY	0.0235, 0.1490, 0.0000
CMYK	0.02, 0.15, 0.00, 0.00
HSL	291°, 100%, 93%
HSV	291°, 15%, 100%
XYZ	81.9298, 76.9854, 105.1493
YIQ	230.9000, 6.8740, 18.6020

Conversions

Conversions Part 2

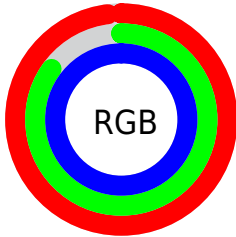
Format	Color
R_{YB}	249, 217, 255
Decimal	16374271
CIE _{Lab}	90.31, 17.60, -14.39
CIE _{LCh}	90, 22.729, 320.734
Yxy	76.9854, 0.3103, 0.2915
Android (android.graphics.Color)	4294564351 (0xFFFF9D9FF)
YUV	230.9000, 11.8813, 15.8737
Hunter-Lab	87.7413, 13.1298, -9.6343

Details

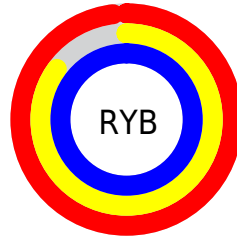
The XYZ color **81.9298, 76.9854, 105.1493** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.7176, 92.2186, 79.3005**, and the grayscale version is **75.7940, 79.7412, 86.8381**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8516, 41.1243, 58.9999** is the 20% darker color. If you saturate the color by 10%, you get **74.4392, 64.1107, 103.0590**, and if you desaturate by 10%, it is **90.4708, 91.9134, 107.5805**.

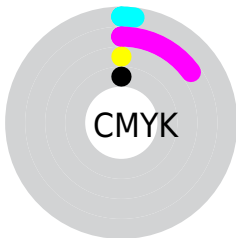
Distribution



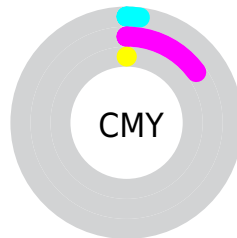
- Red (98%)
- Green (85%)
- Blue (100%)



- Red (98%)
- Yellow (85%)
- Blue (100%)



- Cyan (2%)
- Magenta (15%)
- Yellow (0%)
- Black (0%)



- Cyan (2%)
- Magenta (15%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9298, 76.9854, 105.1493 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 81.9298, 76.9854, 105.1493 by changing the saturation by 10% instead.

81.9298, 76.9854,
105.1493

81.9298, 76.9854,
105.1493

490.0509,
484.7142, 597.9658

61.6216, 57.2409,
79.9671

135.0119,
129.1189, 170.3290

44.9814, 41.1987,
59.1653

168.5165,
162.2766, 211.1637

31.6440, 28.4744,
42.3253

207.1506,
200.6742, 258.0528

21.2440, 18.6835,
29.0286

251.2795,
244.6961, 311.4151

13.4159, 11.4418,
18.8567

301.2686,
294.7267, 371.6689

7.7945, 6.3648,
11.3910

357.4834,

4.0145, 3.0682,

351.1503, 439.2330

6.2130

420.2890,
414.3513, 514.5258

■ 1.7103, 1.1674,
2.9042

■ 0.4627, 0.0349,
1.0459

■ 81.9298, 76.9854,
105.1493

■ 81.9298, 76.9854,
105.1493

■ 74.4392, 64.1107,
103.0590

■ 90.4708, 91.9134,
107.5805

■ 67.9460, 53.1865,
101.2926

95.0500, 100.0000,
108.9000

■ 62.4022, 44.1159,
99.8340

■ 57.7528, 36.7894,
98.6649

■ 53.9375, 31.0865,
97.7652

■ 50.8878, 26.8706,
97.1122

■ 48.5242, 23.9831,
96.6794

■ 46.7490, 22.2286,
96.4343

■ 45.9992, 21.6283,
96.3580

Harmonies

Analogous

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



77.0951, 76.9854, 116.4994



81.9298, 76.9854, 105.1493



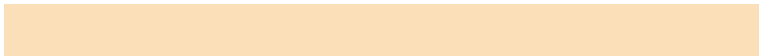
84.4528, 76.9854, 88.9458

Triad

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



81.9298, 76.9854, 105.1493



74.9395, 76.9854, 56.6613



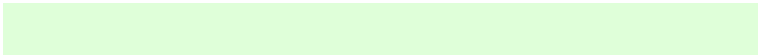
63.4546, 76.9854, 95.3553

Complementary

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



81.9298, 76.9854, 105.1493



78.7176, 92.2186, 79.3005

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.



62.9439, 76.9854, 78.9028



81.9298, 76.9854, 105.1493



69.3849, 76.9854, 57.9125

Square

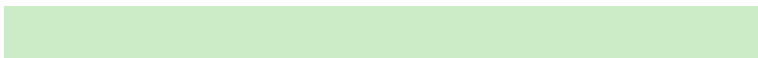
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



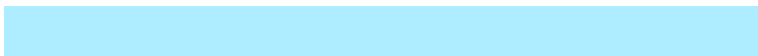
81.9298, 76.9854, 105.1493



80.2821, 76.9854, 61.9257



65.0622, 76.9854, 65.5965



66.4952, 76.9854, 110.3577

Rectangle

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



81.9298, 76.9854, 105.1493



84.3995, 76.9854, 78.1494



65.0622, 76.9854, 65.5965



62.9877, 76.9854, 89.7669

Sweetspot

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



81.9319, 76.9886, 105.1498



91.2920, 93.3597, 107.8164



73.1449, 74.9287, 105.2153



19.3932, 19.7238, 23.0349



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.



81.9319, 76.9886, 105.1498



79.4992, 72.7815, 104.4659



82.1317, 77.3195, 94.8639



18.4945, 18.1466, 22.7778



24.1411, 11.3557, 50.3541



2.4228, 1.1429, 4.9062

Inverse Universe

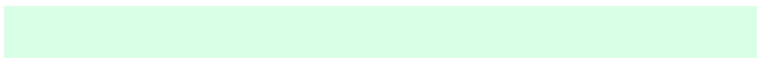
The Inverse Universe completely reimagines the original color for something new.



79.3740, 76.2164, 80.3423



76.5045, 71.8858, 75.0437



78.6136, 91.9672, 88.2285



18.1263, 18.0338, 19.2821



21.7856, 11.2035, 2.2555



2.1533, 1.1037, 0.3885

Previews

White Background



This preview shows how the XYZ color 81.9298, 76.9854, 105.1493 looks on a white background.

Color Contrast Check

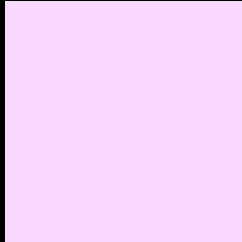
Large Text (above 18pt) WCAG AA × Fail

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 81.9298, 76.9854, 105.1493 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 81.9298, 76.9854, 105.1493

Background



This preview shows how black text looks on a background with the XYZ color 81.9298, 76.9854, 105.1493.

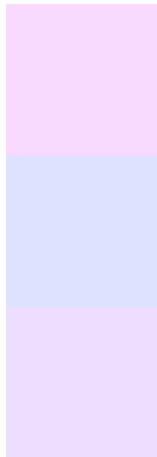


This preview shows how white text looks on a background with the XYZ color 81.9298, 76.9854,

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

81.9298, 76.9854, 105.1493

Protanopia

75.6778, 77.3007, 105.5396

Deuteranopia

78.6709, 76.8732, 104.4575



Tritanopia

78.8853, 76.8937, 90.8050

Trichromacy



Original Color

81.9298, 76.9854, 105.1493

Protanomaly

77.7164, 77.1512, 105.4033

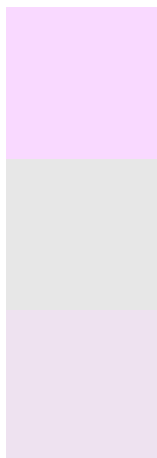
Deuteranomaly

79.7582, 77.0429, 104.4330

Tritanomaly

80.0184, 76.9688, 96.2270

Monochromacy



Original Color

81.9298, 76.9854, 105.1493

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

78.1844, 78.8611, 93.5390

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9298, 76.9854, 105.1493 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, 217, 255)` looks like.

```
.text, #text, p{  
    color:rgb(249, 217, 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, 217, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 217, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.9298, 76.9854, 105.1493 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, 217, 255) }
```


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

```
.border{ border-color:rgb(249, 217, 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, 217, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 217, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 217, 255);  
box-shadow:4px 4px 4px 4px rgb(249, 217,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9298, 76.9854, 105.1493 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 217, 255) }
```

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

```
.background{ background-color: rgb(249,  
217, 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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