

Converting Colors

XYZ(83.7285, 81.1797,
105.8640)

Have a look what the booklet for
XYZ(83.7285, 81.1797, 105.8640)
contains.

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Color

**XYZ(83.6866, 81.0269,
105.8367)**

Conversions

Conversions Part 1

Format	Color
Hex	F8E1FF
RGB	248, 225, 255
RGB Percent	97%, 88%, 100%
CMY	0.0274, 0.1176, 0.0000
CMYK	0.03, 0.12, 0.00, 0.00
HSL	286°, 100%, 94%
HSV	286°, 12%, 100%
XYZ	83.6866, 81.0269, 105.8367
YIQ	235.2970, 4.0780, 14.2060

Conversions

Conversions Part 2

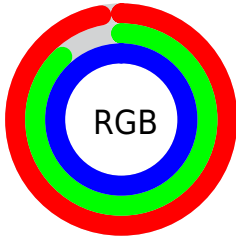
Format	Color
R _Y B	248, 225, 255
Decimal	16310783
CIE _{Lab}	92.14, 13.09, -11.66
CIE _{LCh}	92, 17.533, 318.305
Yxy	81.0269, 0.3093, 0.2995
Android (android.graphics.Color)	4294500863 (0xFF8E1FF)
YUV	235.2970, 9.7136, 11.1405
Hunter-Lab	90.0149, 8.4247, -6.7008

Details

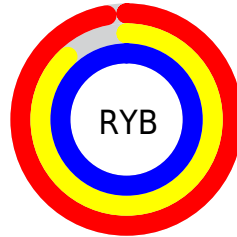
The XYZ color **83.6866, 81.0269, 105.8367** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **82.6314, 94.1130, 85.0487**, and the grayscale version is **79.1199, 83.2403, 90.6487**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3060, 44.0331, 59.4847** is the 20% darker color. If you saturate the color by 10%, you get **75.2258, 67.1864, 103.6112**, and if you desaturate by 10%, it is **93.2482, 96.9676, 108.4096**.

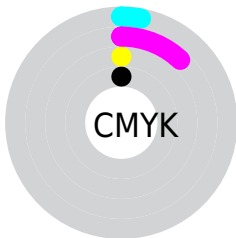
Distribution



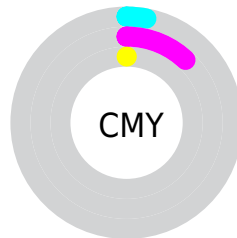
- Red (97%)
- Green (88%)
- Blue (100%)



- Red (97%)
- Yellow (88%)
- Blue (100%)



- Cyan (3%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (3%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.6866, 81.0269, 105.8367 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 83.6866, 81.0269, 105.8367 by changing the saturation by 10% instead.


 83.6866, 81.0269,
105.8367

 83.6866, 81.0269,
105.8367


495.8213,
498.3868, 600.1537

 63.0756, 60.5638,
80.5399


137.4602,
134.8085, 171.2769

 46.1612, 43.8732,
59.6340


171.3535,
168.8958, 212.2573

 32.5782, 30.5708,
42.7003


210.4049,
208.2933, 259.3028

 21.9612, 20.2723,
29.3204

254.9798,
253.3853, 312.8318

 13.9448, 12.5931,
19.0757

305.4436,
304.5563, 373.2628

 8.1638, 7.1490,
11.5476

362.1615,

 4.2526, 3.5554,

362.1906, 441.0145

6.3177

425.4989,
426.6726, 516.5053

■ 1.8460, 1.4281,
2.9673

■ 0.5452, 0.2373,
1.0780

■ 83.6866, 81.0269,
105.8367

■ 83.6866, 81.0269,
105.8367

■ 75.2258, 67.1864,
103.6112

■ 93.2482, 96.9676,
108.4096

■ 67.8132, 55.3447,
101.7162

95.0500, 100.0000,
108.9000

■ 61.4016, 45.4071,
100.1360

■ 55.9371, 37.2671,
98.8528

■ 51.3609, 30.8077,
97.8472

■ 47.6068, 25.8977,
97.0973

■ 44.5989, 22.3863,
96.5781

■ 42.2459, 20.0917,
96.2592

■ 40.6860, 18.8893,
96.1093

Harmonies

Analogous

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



79.7754, 81.0269, 114.0260



83.6866, 81.0269, 105.8367



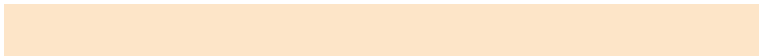
85.8409, 81.0269, 93.3664

Triad

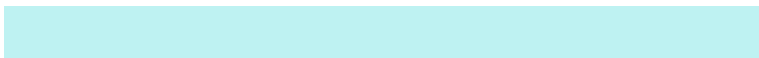
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



83.6866, 81.0269, 105.8367



78.7887, 81.0269, 66.0281



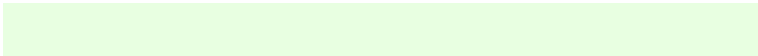
69.0542, 81.0269, 96.2743

Complementary

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



83.6866, 81.0269, 105.8367



82.6314, 94.1130, 85.0487

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.



68.8133, 81.0269, 83.2750



83.6866, 81.0269, 105.8367



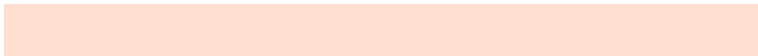
74.3164, 81.0269, 66.6421

Square

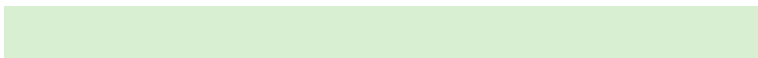
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



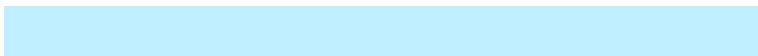
83.6866, 81.0269, 105.8367



82.9400, 81.0269, 70.9148



70.7052, 81.0269, 72.6833



71.3765, 81.0269, 108.1440

Rectangle

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



83.6866, 81.0269, 105.8367



85.9369, 81.0269, 84.6783



70.7052, 81.0269, 72.6833



68.7305, 81.0269, 91.8684

Sweetspot

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



83.6888, 81.0303, 105.8373



91.0118, 93.2153, 107.8033



77.9610, 80.9442, 106.1225



19.3221, 19.6871, 23.0316



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.



83.6888, 81.0303, 105.8373



81.7015, 77.7540, 105.3096



84.9555, 81.8290, 99.3139



18.3540, 18.0742, 22.7713



21.3975, 9.9413, 50.2257



2.1790, 1.0172, 4.8948

Inverse Universe

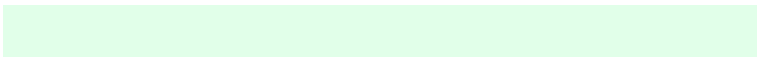
The Inverse Universe completely reimagines the original color for something new.



82.7328, 80.9399, 87.6094



80.6021, 77.6606, 83.8712



81.5217, 93.4119, 90.8276



18.1830, 18.0565, 19.5808



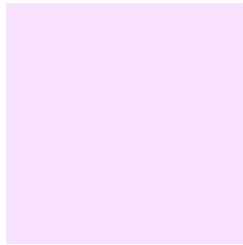
22.0152, 11.2954, 3.4646



2.1835, 1.1158, 0.5475

Previews

White Background



This preview shows how the XYZ color 83.6866, 81.0269, 105.8367 looks on a white background.

Color Contrast Check

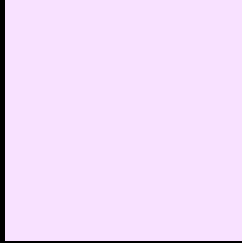
Large Text (above 18pt) WCAG AA × Fail

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 83.6866, 81.0269, 105.8367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

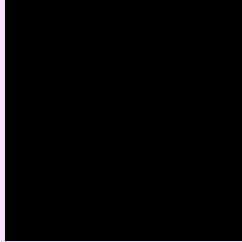
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.6866, 81.0269, 105.8367

Background



This preview shows how black text looks on a background with the XYZ color 83.6866, 81.0269, 105.8367.



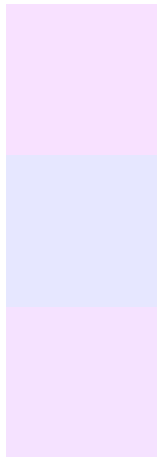
This preview shows how white text looks on a background with the XYZ color 83.6866, 81.0269,

105.8367.

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

83.6866, 81.0269, 105.8367

Protanopia

79.2590, 81.1948, 106.1025

Deuteranopia

82.9025, 81.0252, 105.8777



Tritanopia

81.9566, 81.1236, 97.7250

Trichromacy



Original Color

83.6866, 81.0269, 105.8367

Protanomaly

80.9944, 81.2631, 106.0242

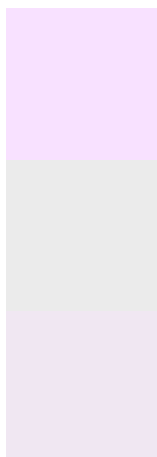
Deuteranomaly

83.2524, 81.2055, 105.8941

Tritanomaly

82.6530, 81.0064, 100.9021

Monochromacy



Original Color

83.6866, 81.0269, 105.8367

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

80.5381, 82.0879, 95.6041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.6866, 81.0269, 105.8367 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(248, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(248, 225, 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(248, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.6866, 81.0269, 105.8367 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(248, 225, 255) }
```


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

```
.border{ border-color:rgb(248, 225, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(248, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.6866, 81.0269, 105.8367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 225, 255) }
```

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

```
.background{ background-color: rgb(248,  
225, 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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