

Converting Colors

XYZ(93.5819, 85.2541,
152.9349)

Have a look what the booklet for
XYZ(93.5819, 85.2541, 152.9349)
contains.

XYZ(84.3996, 81.3944, 105.8701)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(84.3996, 81.3944,
105.8701)**

Conversions

Conversions Part 1

Format	Color
Hex	FAE1FF
RGB	250, 225, 255
RGB Percent	98%, 88%, 100%
CMY	0.0196, 0.1176, 0.0000
CMYK	0.02, 0.12, 0.00, 0.00
HSL	290°, 100%, 94%
HSV	290°, 12%, 100%
XYZ	84.3996, 81.3944, 105.8701
YIQ	235.8950, 5.2700, 14.6300

Conversions

Conversions Part 2

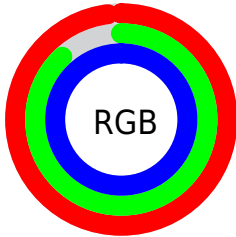
Format	Color
R _Y B	250, 225, 255
Decimal	16441855
CIE Lab	92.31, 13.75, -11.40
CIE LCh	92, 17.859, 320.324
Yxy	81.3944, 0.3107, 0.2996
Android (android.graphics.Color)	4294631935 (0xFFFAE1FF)
YUV	235.8950, 9.4188, 12.3701
Hunter-Lab	90.2188, 9.1035, -6.4225

Details

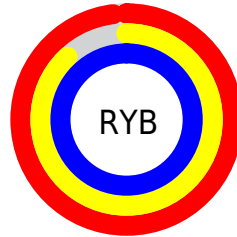
The XYZ color **84.3996, 81.3944, 105.8701** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **81.9857, 93.7801, 85.0184**, and the grayscale version is **79.5778, 83.7221, 91.1734**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.5601, 44.1641, 59.4966** is the 20% darker color. If you saturate the color by 10%, you get **76.5093, 67.8481, 103.6712**, and if you desaturate by 10%, it is **93.3579, 97.0241, 108.4148**.

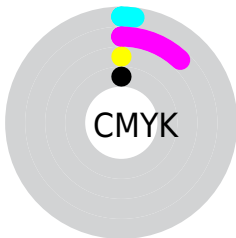
Distribution



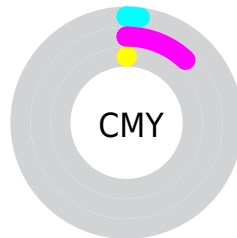
- Red (98%)
- Green (88%)
- Blue (100%)



- Red (98%)
- Yellow (88%)
- Blue (100%)



- Cyan (2%)
- Magenta (12%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (12%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.3996, 81.3944, 105.8701 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 84.3996, 81.3944, 105.8701 by changing the saturation by 10% instead.


 84.3996, 81.3944,
105.8701

 84.3996, 81.3944,
105.8701


498.1529,
499.6197, 600.2599

 63.6662, 60.8665,
80.5678


138.4524,
135.3244, 171.3229

 46.6411, 44.1174,
59.6568


172.5025,
169.4953, 212.3105

 32.9587, 30.7628,
42.7186


211.7223,
208.9826, 259.3635

 22.2539, 20.4183,
29.3346

256.4770,
254.1708, 312.9006

 14.1612, 12.6995,
19.0863

307.1321,
305.4442, 373.3402

 8.3154, 7.2219,
11.5552

364.0529,

 4.3509, 3.6013,

363.1872, 441.1009

6.3228

427.6047,
427.7843, 516.6013

■ 1.9025, 1.4531,
2.9704

■ 0.5783, 0.2554,
1.0795

■ 84.3996, 81.3944,
105.8701

■ 84.3996, 81.3944,
105.8701

■ 76.5093, 67.8481,
103.6712

■ 93.3579, 97.0241,
108.4148

■ 69.6350, 56.2838,
101.8014

95.0500, 100.0000,
108.9000

■ 63.7295, 46.6072,
100.2449

■ 58.7397, 38.7119,
98.9840

■ 54.6070, 32.4811,
97.9991

■ 51.2656, 27.7839,
97.2686

■ 48.6402, 24.4697,
96.7672

■ 46.6398, 22.3568,
96.4648

■ 45.3483, 21.2928,
96.3275

Harmonies

Analogous

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



80.4878, 81.3944, 114.6714



84.3996, 81.3944, 105.8701



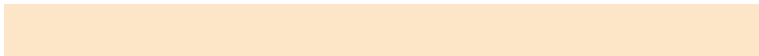
86.4493, 81.3944, 92.9675

Triad

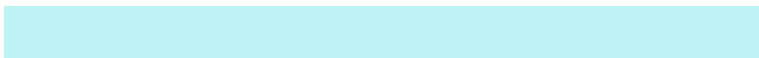
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



84.3996, 81.3944, 105.8701



78.8648, 81.3944, 65.8479



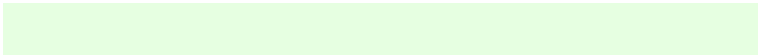
69.3323, 81.3944, 97.7529

Complementary

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



84.3996, 81.3944, 105.8701



81.9857, 93.7801, 85.0184

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.



68.9366, 81.3944, 84.4192



84.3996, 81.3944, 105.8701



74.3200, 81.3944, 66.8548

Square

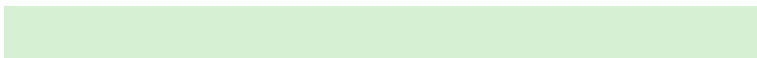
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.3996, 81.3944, 105.8701



83.1710, 81.3944, 70.4593



70.7287, 81.3944, 73.3617



71.8318, 81.3944, 109.6712

Rectangle

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



84.3996, 81.3944, 105.8701



86.4306, 81.3944, 84.1454



70.7287, 81.3944, 73.3617



68.9528, 81.3944, 93.2601

Sweetspot

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



84.4018, 81.3978, 105.8706



91.2594, 93.3429, 107.8148



77.4012, 79.8247, 105.9360



19.3849, 19.7195, 23.0345



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.



84.4018, 81.3978, 105.8706



82.5450, 78.1889, 105.3491



84.6484, 81.7061, 97.6971



18.4781, 18.1382, 22.7771



23.8054, 11.1826, 50.3384



2.3932, 1.1277, 4.9048

Inverse Universe

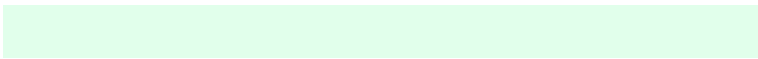
The Inverse Universe completely reimagines the original color for something new.



82.4502, 80.8268, 86.1211



80.2744, 77.5295, 82.1460



81.8090, 93.5268, 92.3408



18.1328, 18.0364, 19.3167



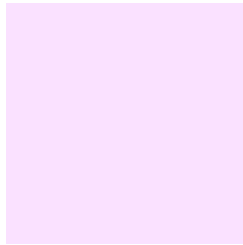
21.8077, 11.2124, 2.3720



2.1564, 1.1049, 0.4049

Previews

White Background



This preview shows how the XYZ color 84.3996, 81.3944, 105.8701 looks on a white background.

Color Contrast Check

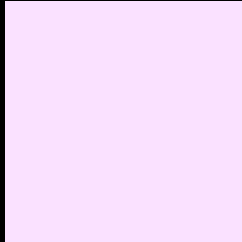
Large Text (above 18pt) WCAG AA × Fail

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 84.3996, 81.3944, 105.8701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

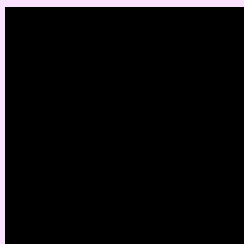
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.3996, 81.3944, 105.8701

Background



This preview shows how black text looks on a background with the XYZ color 84.3996, 81.3944, 105.8701.



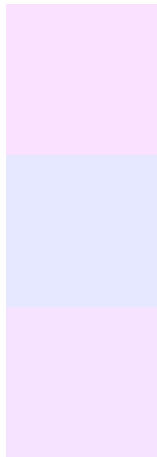
This preview shows how white text looks on a background with the XYZ color 84.3996, 81.3944,

105.8701.

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

84.3996, 81.3944, 105.8701

Protanopia

79.5397, 81.7562, 106.1961

Deuteranopia

83.5251, 81.7510, 105.9850



Tritanopia

82.6619, 81.4872, 97.7581

Trichromacy



Original Color

84.3996, 81.3944, 105.8701

Protanomaly

80.9944, 81.2631, 106.0242

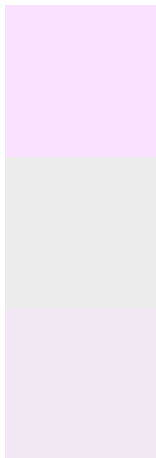
Deuteranomaly

83.6041, 81.3869, 105.9106

Tritanomaly

83.3622, 81.3720, 100.9352

Monochromacy



Original Color

84.3996, 81.3944, 105.8701

Achromatopsia

79.7278, 83.8799, 91.3452

Achromatomaly

81.3099, 82.8851, 96.5069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.3996, 81.3944, 105.8701 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(250, 225, 255)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 225, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 225, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.3996, 81.3944, 105.8701 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(250, 225, 255) }
```


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

```
.border{ border-color:rgb(250, 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(250, 225, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 225, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 225, 255);  
box-shadow:4px 4px 4px 4px rgb(250, 225,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.3996, 81.3944, 105.8701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 225, 255) }
```

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

```
.background{ background-color: rgb(250,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor