

# Converting Colors

XYZ(82.8880, 81.4247,  
105.9556)

Have a look what the booklet for  
XYZ(82.8880, 81.4247, 105.9556)  
contains.

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# Color

**XYZ(82.8273, 81.3913,  
105.9524)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4E3FF
RGB	244, 227, 255
RGB Percent	96%, 89%, 100%
CMY	0.0431, 0.1098, 0.0000
CMYK	0.04, 0.11, 0.00, 0.00
HSL	276°, 100%, 95%
HSV	276°, 11%, 100%
XYZ	82.8273, 81.3913, 105.9524
YIQ	235.2750, 1.1440, 12.3120

# Conversions

## Conversions Part 2

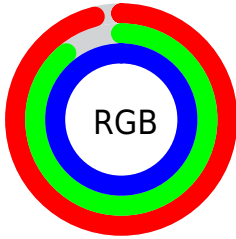
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	244, 227, 255
Decimal	16049151
CIE <sub>Lab</sub>	92.31, 10.75, -11.46
CIE <sub>LCh</sub>	92, 15.708, 313.175
Yxy	81.3913, 0.3066, 0.3013
Android (android.graphics.Color)	4294239231 (0xFFFF4E3FF)
YUV	235.2750, 9.7244, 7.6518
Hunter-Lab	90.2171, 5.9988, -6.4791

# Details

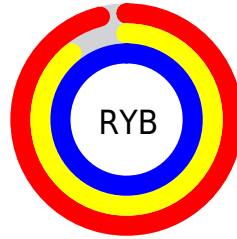
The XYZ color **82.8273, 81.3913, 105.9524** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **84.8871, 95.2442, 86.5871**, and the grayscale version is **79.1047, 83.2243, 90.6312**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6846, 44.2736, 59.5639** is the 20% darker color. If you saturate the color by 10%, you get **72.9810, 66.7191, 103.6393**, and if you desaturate by 10%, it is **93.8998, 98.2335, 108.6196**.

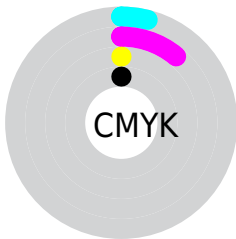
# Distribution



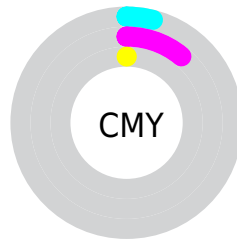
- Red (96%)
- Green (89%)
- Blue (100%)



- Red (96%)
- Yellow (89%)
- Blue (100%)



- Cyan (4%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (4%)
- Magenta (11%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.8273, 81.3913, 105.9524 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 82.8273, 81.3913, 105.9524 by changing the saturation by 10% instead.



82.8273, 81.3913,  
105.9524

82.8273, 81.3913,  
105.9524

493.0034,  
499.6093, 600.5216

62.3641, 60.8639,  
80.6364

136.2633,  
135.3201, 171.4363

45.5837, 44.1154,  
59.7129

169.9669,  
169.4902, 212.4413

32.1207, 30.7612,  
42.7635

208.8146,  
208.9768, 259.5130

21.6097, 20.4171,  
29.3696

253.1719,  
254.1642, 313.0700

13.6854, 12.6986,  
19.1126

303.4041,  
305.4367, 373.5309

7.9824, 7.2213,  
11.5740

359.8765,

4.1354, 3.6009,

363.1788, 441.3140

6.3353

422.9545,  
427.7749, 516.8381

■ 1.7790, 1.4529,  
2.9780

■ 0.5050, 0.2552,  
1.0834

■ 82.8273, 81.3913,  
105.9524

■ 82.8273, 81.3913,  
105.9524

■ 72.9810, 66.7191,  
103.6393

93.8998, 98.2335,  
108.6196

■ 64.3061, 54.1146,  
101.6636

95.0500, 100.0000,  
108.9000

■ 56.7532, 43.4826,  
100.0095

■ 50.2666, 34.7159,  
98.6592

■ 44.7850, 27.6973,  
97.5934

■ 40.2404, 22.2953,  
96.7903

■ 36.5552, 18.3597,  
96.2248

■ 33.6365, 15.7101,  
95.8673

■ 31.5325, 14.1705,  
95.6810

# Harmonies

## Analogous

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



79.1536, 81.3913, 112.2301



82.8273, 81.3913, 105.9524



85.0783, 81.3913, 95.2537

# Triad

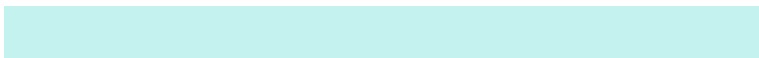
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.8273, 81.3913, 105.9524



79.6424, 81.3913, 68.8910



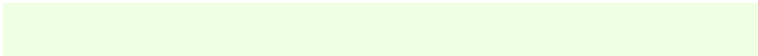
70.0027, 81.3913, 93.8174

# Complementary

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



82.8273, 81.3913, 105.9524



84.8871, 95.2442, 86.5871

# 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.



70.1232, 81.3913, 82.3042



82.8273, 81.3913, 105.9524



75.5936, 81.3913, 68.5799

# Square

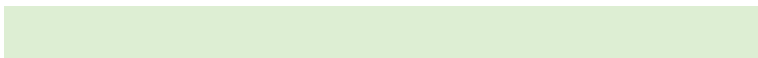
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.8273, 81.3913, 105.9524



83.1959, 81.3913, 74.1823



72.1387, 81.3913, 73.2913



71.8036, 81.3913, 104.8220



# Rectangle

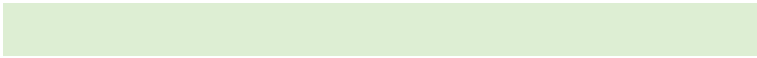
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.8273, 81.3913, 105.9524



85.4222, 81.3913, 87.3882



72.1387, 81.3913, 73.2913



69.8218, 81.3913, 89.8659

# Sweetspot

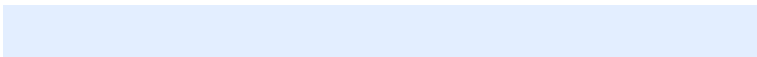
The Sweet Spot groups the original color and five complimentary colors.



82.8295, 81.3947, 105.9529



91.5608, 94.6502, 108.0513



80.3641, 84.8194, 106.7439



19.4023, 19.9603, 23.0801



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.



82.8295, 81.3947, 105.9529



80.7412, 78.2559, 105.4571



86.3131, 83.2423, 103.7804



18.0614, 17.9234, 22.7576



16.6490, 7.4933, 50.0034



1.7439, 0.7929, 4.8744



# Inverse Universe

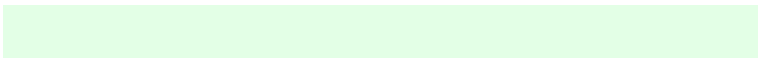
The Inverse Universe completely reimagines the original color for something new.



84.1438, 82.3746, 92.3570



82.2986, 79.4138, 89.4925



81.6959, 93.5540, 88.4714



18.3049, 18.1053, 20.2227



22.8235, 11.6187, 7.7210

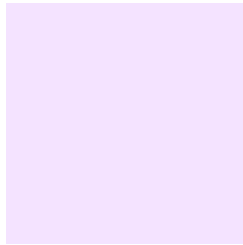


2.2741, 1.1520, 1.0248



# Previews

## White Background



This preview shows how the XYZ color 82.8273, 81.3913, 105.9524 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

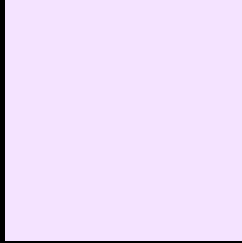
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.8273, 81.3913, 105.9524 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

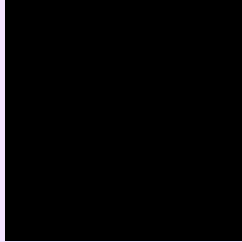
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 82.8273, 81.3913, 105.9524

## Background



This preview shows how black text looks on a background with the XYZ color 82.8273, 81.3913, 105.9524.



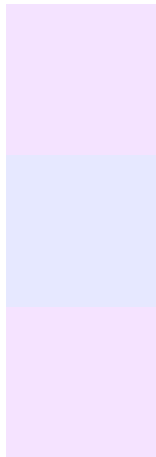
This preview shows how white text looks on a background with the XYZ color 82.8273, 81.3913,

105.9524.

# 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

82.8273, 81.3913, 105.9524

### Protanopia

79.5397, 81.7562, 106.1961

### Deuteranopia

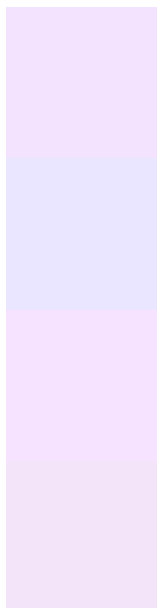
83.1753, 81.5706, 105.9686



## Tritanopia

81.3401, 81.1953, 98.5740

# Trichromacy



## Original Color

82.8273, 81.3913, 105.9524

## Protanomaly

80.6078, 81.4758, 106.0857

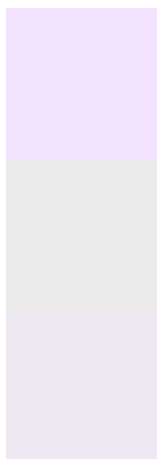
## Deuteranomaly

83.1753, 81.5706, 105.9686

## Tritanomaly

81.8044, 81.3810, 101.0191

# Monochromacy



## Original Color

82.8273, 81.3913, 105.9524

## Achromatopsia

78.9647, 83.0770, 90.4708

## Achromatomaly

80.1435, 82.3012, 95.6661

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.8273, 81.3913, 105.9524 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(244, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(244, 227, 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(244, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 227, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 82.8273, 81.3913, 105.9524 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(244, 227, 255) }
```



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

```
.border{ border-color:rgb(244, 227, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(244, 227,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.8273, 81.3913, 105.9524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 227, 255) }
```

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

```
.background{ background-color: rgb(244,  
227, 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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