

Converting Colors

XYZ(82.0685, 80.9798,
105.9129)

Have a look what the booklet for
XYZ(82.0685, 80.9798, 105.9129)
contains.

XYZ(82.1370, 81.0354, 105.9201)	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(82.1370, 81.0354,
105.9201)**

Conversions

Conversions Part 1

Format	Color
Hex	F2E3FF
RGB	242, 227, 255
RGB Percent	95%, 89%, 100%
CMY	0.0510, 0.1098, 0.0000
CMYK	0.05, 0.11, 0.00, 0.00
HSL	272°, 100%, 95%
HSV	272°, 11%, 100%
XYZ	82.1370, 81.0354, 105.9201
YIQ	234.6770, -0.0480, 11.8880

Conversions

Conversions Part 2

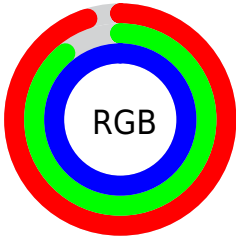
Format	Color
R _Y B	242, 227, 255
Decimal	15918079
CIE _{Lab}	92.15, 10.10, -11.71
CIE _{LCh}	92, 15.462, 310.781
Y _{xy}	81.0354, 0.3052, 0.3011
Android (android.graphics.Color)	4294108159 (0xFFFF2E3FF)
Y _{UV}	234.6770, 10.0192, 6.4223
Hunter-Lab	90.0197, 5.3351, -6.7488

Details

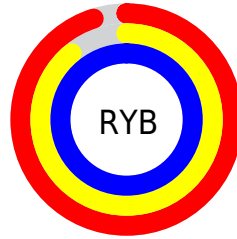
The XYZ color **82.1370, 81.0354, 105.9201** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.5624, 95.5923, 86.6186**, and the grayscale version is **78.6483, 82.7441, 90.1084**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.1953, 44.0214, 59.5410** is the 20% darker color. If you saturate the color by 10%, you get **71.7398, 66.0792, 103.5812**, and if you desaturate by 10%, it is **93.8345, 98.1997, 108.6166**.

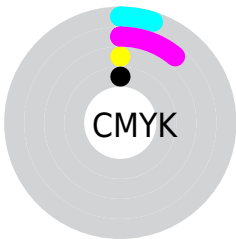
Distribution



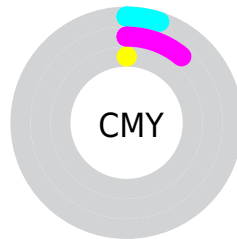
- Red (95%)
- Green (89%)
- Blue (100%)



- Red (95%)
- Yellow (89%)
- Blue (100%)



- Cyan (5%)
- Magenta (11%)
- Yellow (0%)
- Black (0%)



- Cyan (5%)
- Magenta (11%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 82.1370, 81.0354, 105.9201 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 82.1370, 81.0354, 105.9201 by changing the saturation by 10% instead.

82.1370, 81.0354,
105.9201

82.1370, 81.0354,
105.9201

490.7334,
498.4154, 600.4189

61.7930, 60.5708,
80.6094

135.3009,
134.8205, 171.3918

45.1204, 43.8788,
59.6909

168.8515,
168.9097, 212.3900

31.7539, 30.5753,
42.7459

207.5350,
208.3092, 259.4544

21.3283, 20.2756,
29.3558

251.7168,
253.4035, 313.0035

13.4780, 12.5956,
19.1023

301.7621,
304.5768, 373.4560

7.8378, 7.1507,
11.5666

358.0364,

4.0422, 3.5565,

362.2136, 441.2304

6.3304

420.9051,
426.6984, 516.7452

■ 1.7261, 1.4287,
2.9750

■ 0.4725, 0.2377,
1.0819

■ 82.1370, 81.0354,
105.9201

■ 82.1370, 81.0354,
105.9201

■ 71.7398, 66.0792,
103.5812

■ 93.8345, 98.1997,
108.6166

■ 62.5862, 53.2279,
101.5831

■ 95.0500, 100.0000,
108.9000

■ 54.6247, 42.3853,
99.9099

■ 47.7975, 33.4431,
98.5437

■ 42.0412, 26.2828,
97.4650

■ 37.2854, 20.7719,
96.6520

■ 33.4500, 16.7589,
96.0795

■ 30.4397, 14.0621,
95.7177

■ 28.3010, 12.5046,
95.5297

Harmonies

Analogous

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



78.4642, 81.0354, 111.6005



82.1370, 81.0354, 105.9201



84.4879, 81.0354, 95.6584

Triad

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



82.1370, 81.0354, 105.9201



79.5723, 81.0354, 69.0878



69.7354, 81.0354, 92.4035

Complementary

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



82.1370, 81.0354, 105.9201



85.5624, 95.5923, 86.6186

Split Complementary

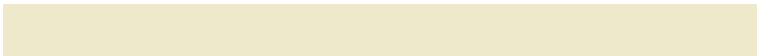
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



70.0089, 81.0354, 81.2036



82.1370, 81.0354, 105.9201



75.5970, 81.0354, 68.3800

Square

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



82.1370, 81.0354, 105.9201



82.9722, 81.0354, 74.6593



72.1233, 81.0354, 72.6347



71.3627, 81.0354, 103.3613

Rectangle

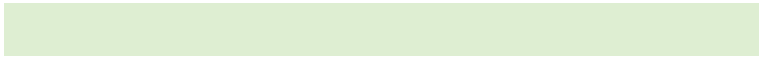
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1370, 81.0354, 105.9201



84.9423, 81.0354, 87.9351



72.1233, 81.0354, 72.6347



69.6095, 81.0354, 88.5332

Sweetspot

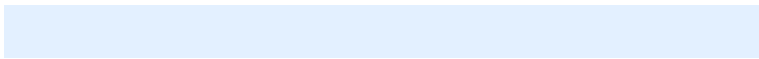
The Sweet Spot groups the original color and five complimentary colors.



82.1392, 81.0388, 105.9206



91.3632, 94.5483, 108.0420



80.9109, 85.9130, 106.9261



19.3489, 19.9328, 23.0776



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.



82.1392, 81.0388, 105.9206



79.9337, 77.8396, 105.4193



86.6107, 83.3612, 105.3475



17.9324, 17.8569, 22.7515



14.9621, 6.6237, 49.9245



1.5830, 0.7100, 4.8669

Inverse Universe

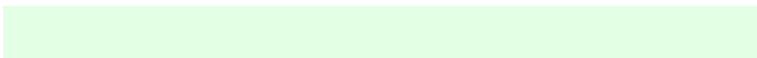
The Inverse Universe completely reimagines the original color for something new.



84.4393, 82.4927, 93.9133



82.6429, 79.5515, 91.3055



81.4354, 93.4498, 87.0997



18.3603, 18.1274, 20.5145



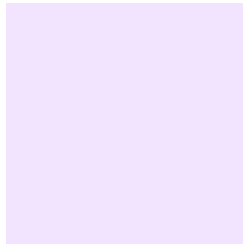
23.3436, 11.8267, 10.4597



2.3274, 1.1733, 1.3055

Previews

White Background



This preview shows how the XYZ color 82.1370, 81.0354, 105.9201 looks on a white background.

Color Contrast Check

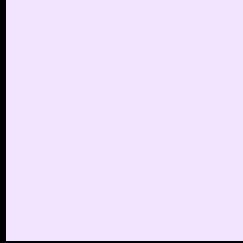
Large Text (above 18pt) WCAG AA × Fail

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 82.1370, 81.0354, 105.9201 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

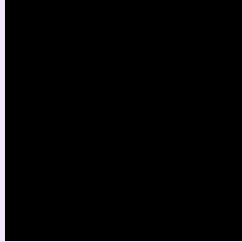
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.1370, 81.0354, 105.9201

Background



This preview shows how black text looks on a background with the XYZ color 82.1370, 81.0354, 105.9201.



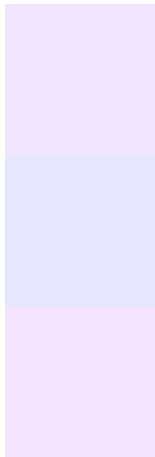
This preview shows how white text looks on a background with the XYZ color 82.1370, 81.0354,

105.9201.

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

82.1370, 81.0354, 105.9201

Protanopia

79.2590, 81.1948, 106.1025

Deuteranopia

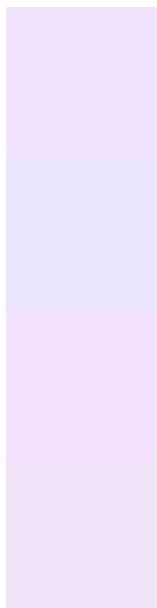
82.9025, 81.0252, 105.8777



Tritanopia

80.6536, 80.8414, 98.5418

Trichromacy



Original Color

82.1370, 81.0354, 105.9201

Protanomaly

80.2785, 81.3061, 106.0702

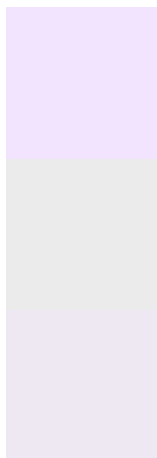
Deuteranomaly

82.5546, 80.8458, 105.8614

Tritanomaly

81.1179, 81.0271, 100.9870

Monochromacy



Original Color

82.1370, 81.0354, 105.9201

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 82.1370, 81.0354, 105.9201 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(242, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 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(242, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 82.1370, 81.0354, 105.9201 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(242, 227, 255) }
```


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

```
.border{ border-color:rgb(242, 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(242, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 82.1370, 81.0354, 105.9201 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 227, 255) }
```

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

```
.background{ background-color: rgb(242,  
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](#).

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