

Converting Colors

XYZ(81.6949, 80.8097,
105.8998)

Have a look what the booklet for
XYZ(81.6949, 80.8097, 105.8998)
contains.

XYZ(81.7947, 80.8589, 105.9040)	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(81.7947, 80.8589,
105.9040)**

Conversions

Conversions Part 1

Format	Color
Hex	F1E3FF
RGB	241, 227, 255
RGB Percent	95%, 89%, 100%
CMY	0.0549, 0.1098, 0.0000
CMYK	0.05, 0.11, 0.00, 0.00
HSL	270°, 100%, 95%
HSV	270°, 11%, 100%
XYZ	81.7947, 80.8589, 105.9040
YIQ	234.3780, -0.6440, 11.6760

Conversions

Conversions Part 2

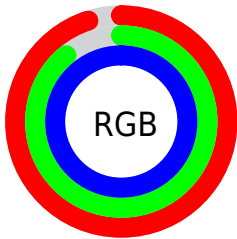
Format	Color
R _Y B	241, 227, 255
Decimal	15852543
CIE Lab	92.07, 9.78, -11.83
CIE LCh	92, 15.349, 309.559
Yxy	80.8589, 0.3046, 0.3011
Android (android.graphics.Color)	4294042623 (0xFFFF1E3FF)
YUV	234.3780, 10.1666, 5.8075
Hunter-Lab	89.9216, 5.0049, -6.8829

Details

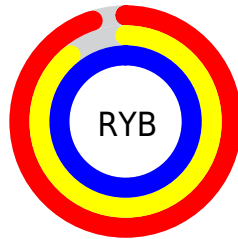
The XYZ color **81.7947, 80.8589, 105.9040** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.9027, 95.7677, 86.6344**, and the grayscale version is **78.4207, 82.5047, 89.8476**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9532, 43.8966, 59.5297** is the 20% darker color. If you saturate the color by 10%, you get **71.1294, 65.7644, 103.5526**, and if you desaturate by 10%, it is **93.8019, 98.1829, 108.6150**.

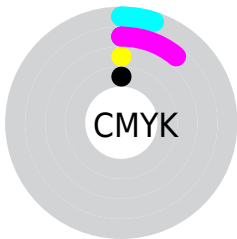
Distribution



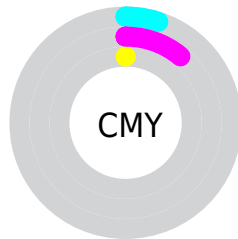
- Red (95%)
- Green (89%)
- Blue (100%)



- 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 81.7947, 80.8589, 105.9040 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 81.7947, 80.8589, 105.9040 by changing the saturation by 10% instead.


 81.7947, 80.8589,
105.9040

 81.7947, 80.8589,
105.9040


489.6056,
497.8227, 600.3677

 61.5099, 60.4254,
80.5960


134.8234,
134.5726, 171.3696

 44.8909, 43.7616,
59.6799


168.2979,
168.6216, 212.3644

 31.5724, 30.4831,
42.7371


206.8998,
207.9780, 259.4251

 21.1891, 20.2056,
29.3490

250.9943,
253.0259, 312.9704

 13.3755, 12.5446,
19.0971

300.9467,
304.1500, 373.4187

 7.7664, 7.1157,
11.5630

357.1225,

 3.9964, 3.5346,

361.7346, 441.1887

6.3279

419.8871,
426.1640, 516.6989

■ 1.7001, 1.4168,
2.9735

■ 0.4563, 0.2290,
1.0811

■ 81.7947, 80.8589,
105.9040

■ 81.7947, 80.8589,
105.9040

■ 71.1294, 65.7644,
103.5526

■ 93.8019, 98.1829,
108.6150

■ 61.7480, 52.7958,
101.5439

■ 95.0500, 100.0000,
108.9000

■ 53.5977, 41.8558,
99.8618

■ 46.6193, 32.8357,
98.4885

■ 40.7480, 25.6161,
97.4045

■ 35.9120, 20.0639,
96.5877

■ 32.0294, 16.0265,
96.0130

■ 29.0034, 13.3217,
95.6504

■ 26.8760, 11.7700,
95.4631

Harmonies

Analogous

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



78.1225, 80.8589, 111.2874



81.7947, 80.8589, 105.9040



84.1949, 80.8589, 95.8609

Triad

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



81.7947, 80.8589, 105.9040



79.5378, 80.8589, 69.1870



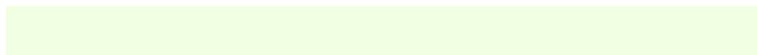
69.6030, 80.8589, 91.7046

Complementary

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



81.7947, 80.8589, 105.9040



85.9027, 95.7677, 86.6344

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.



69.9527, 80.8589, 80.6595



81.7947, 80.8589, 105.9040



75.5992, 80.8589, 68.2816

Square

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



81.7947, 80.8589, 105.9040



82.8612, 80.8589, 74.8988



72.1163, 80.8589, 72.3099



71.1443, 80.8589, 102.6384

Rectangle

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



81.7947, 80.8589, 105.9040



84.7040, 80.8589, 88.2090



72.1163, 80.8589, 72.3099



69.5046, 80.8589, 87.8744

Sweetspot

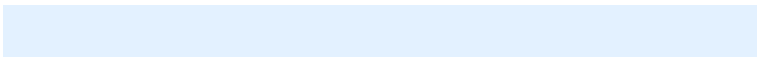
The Sweet Spot groups the original color and five complimentary colors.



81.7969, 80.8623, 105.9046



91.2646, 94.4975, 108.0374



81.3247, 86.7406, 107.0641



19.3223, 19.9191, 23.0763



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.



81.7969, 80.8623, 105.9046



79.5339, 77.6335, 105.4006



86.5891, 83.3327, 106.1288



17.8683, 17.8239, 22.7485



14.2155, 6.2388, 49.8896



1.5101, 0.6724, 4.8635

Inverse Universe

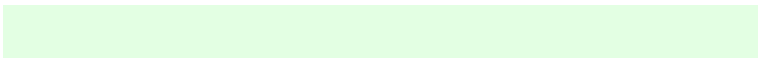
The Inverse Universe completely reimagines the original color for something new.



84.5883, 82.5522, 94.6977



82.8167, 79.6210, 92.2208



81.4535, 93.4741, 86.4262



18.3882, 18.1386, 20.6614



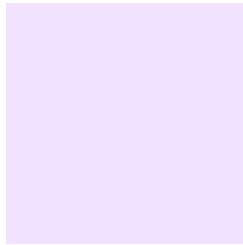
23.6431, 11.9465, 12.0370



2.3572, 1.1852, 1.4623

Previews

White Background



This preview shows how the XYZ color 81.7947, 80.8589, 105.9040 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 81.7947, 80.8589, 105.9040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

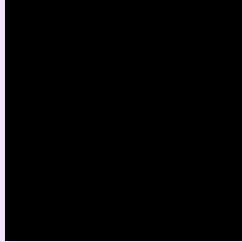
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.7947, 80.8589, 105.9040

Background



This preview shows how black text looks on a background with the XYZ color 81.7947, 80.8589, 105.9040.



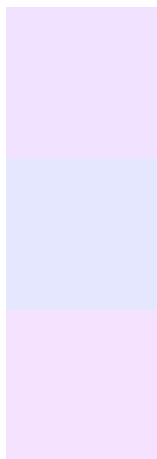
This preview shows how white text looks on a background with the XYZ color 81.7947, 80.8589,

105.9040.

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

81.7947, 80.8589, 105.9040

Protanopia

78.9390, 81.0298, 106.0875

Deuteranopia

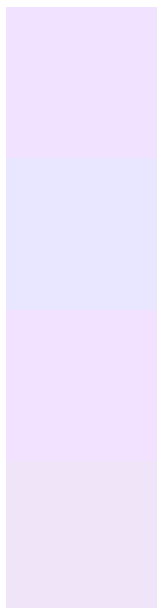
82.5546, 80.8458, 105.8614



Tritanopia

80.3131, 80.6659, 98.5259

Trichromacy



Original Color

81.7947, 80.8589, 105.9040

Protanomaly

79.9511, 81.1373, 106.0549

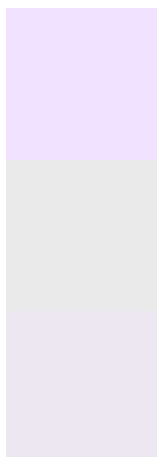
Deuteranomaly

82.2085, 80.6674, 105.8453

Tritanomaly

80.7775, 80.8516, 100.9710

Monochromacy



Original Color

81.7947, 80.8589, 105.9040

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

79.5280, 81.5672, 95.5569

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.7947, 80.8589, 105.9040 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(241, 227, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 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(241, 227, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 227, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.7947, 80.8589, 105.9040 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(241, 227, 255) }
```


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

```
.border{ border-color:rgb(241, 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(241, 227, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 227, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 227, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 227,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.7947, 80.8589, 105.9040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 227, 255) }
```

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

```
.background{ background-color: rgb(241,  
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