

Converting Colors

XYZ(81.8728, 80.4979,
105.8302)

Have a look what the booklet for
XYZ(81.8728, 80.4979, 105.8302)
contains.

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Color

**XYZ(81.8643, 80.4900,
105.8291)**

Conversions

Conversions Part 1

Format	Color
Hex	F2E2FF
RGB	242, 226, 255
RGB Percent	95%, 89%, 100%
CMY	0.0510, 0.1137, 0.0000
CMYK	0.05, 0.11, 0.00, 0.00
HSL	273°, 100%, 94%
HSV	273°, 11%, 100%
XYZ	81.8643, 80.4900, 105.8291
YIQ	234.0900, 0.2270, 12.4110

Conversions

Conversions Part 2

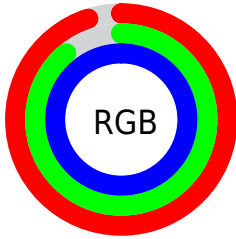
Format	Color
R _Y B	242, 226, 255
Decimal	15917823
CIE Lab	91.90, 10.62, -12.07
CIE LCh	92, 16.077, 311.341
Yxy	80.4900, 0.3053, 0.3001
Android (android.graphics.Color)	4294107903 (0xFFFF2E2FF)
YUV	234.0900, 10.3086, 6.9371
Hunter-Lab	89.7162, 5.8744, -7.1370

Details

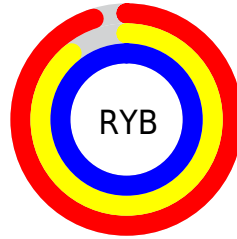
The XYZ color **81.8643, 80.4900, 105.8291** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **85.0861, 95.3627, 85.8779**, and the grayscale version is **78.2011, 82.2737, 89.5961**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.0057, 43.6421, 59.4778** is the 20% darker color. If you saturate the color by 10%, you get **71.6380, 65.6806, 103.5096**, and if you desaturate by 10%, it is **93.3714, 97.4948, 108.5049**.

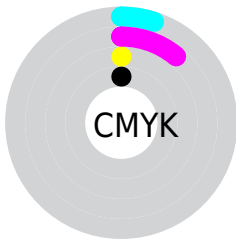
Distribution



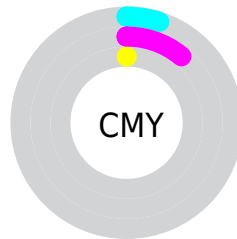
- Red (95%)
- Green (89%)
- Blue (100%)



- 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 81.8643, 80.4900, 105.8291 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 81.8643, 80.4900, 105.8291 by changing the saturation by 10% instead.


 81.8643, 80.4900,
105.8291

 81.8643, 80.4900,
105.8291

489.8351,
496.5826, 600.1296

 61.5674, 60.1217,
80.5336


134.9205,
134.0544, 171.2664

 44.9375, 43.5167,
59.6288


168.4105,
168.0193, 212.2452

 31.6093, 30.2907,
42.6962


207.0290,
207.2851, 259.2890

 21.2173, 20.0594,
29.3172

251.1412,
252.2363, 312.8161

 13.3963, 12.4382,
19.0732

301.1126,
303.2573, 373.2452

 7.7809, 7.0429,
11.5459

357.3084,

 4.0057, 3.4889,

360.7324, 440.9948

6.3165

420.0941,
425.0460, 516.4834

■ 1.7054, 1.3920,
2.9666

■ 0.4596, 0.2108,
1.0776

■ 81.8643, 80.4900,
105.8291

■ 81.8643, 80.4900,
105.8291

■ 71.6380, 65.6806,
103.5096

■ 93.3714, 97.4948,
108.5049

■ 62.6362, 52.9637,
101.5295

95.0500, 100.0000,
108.9000

■ 54.8077, 42.2427,
99.8727

■ 48.0950, 33.4094,
98.5215

■ 42.4350, 26.3451,
97.4563

■ 37.7577, 20.9171,
96.6551

■ 33.9831, 16.9730,
96.0928

■ 31.0159, 14.3302,
95.7390

■ 28.9808, 12.8550,
95.5616

Harmonies

Analogous

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



78.0741, 80.4900, 111.8579



81.8643, 80.4900, 105.8291



84.2687, 80.4900, 95.1118

Triad

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



81.8643, 80.4900, 105.8291



79.0696, 80.4900, 67.8277



68.9855, 80.4900, 92.1845

Complementary

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



81.8643, 80.4900, 105.8291



85.0861, 95.3627, 85.8779

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.



69.2303, 80.4900, 80.5700



81.8643, 80.4900, 105.8291



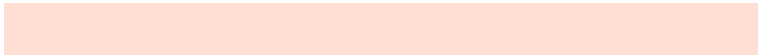
74.9538, 80.4900, 67.1970

Square

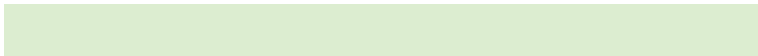
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8643, 80.4900, 105.8291



82.6156, 80.4900, 73.4722



71.3817, 80.4900, 71.6643



70.7002, 80.4900, 103.5211

Rectangle

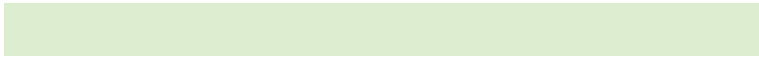
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.8643, 80.4900, 105.8291



84.7118, 80.4900, 87.1091



71.3817, 80.4900, 71.6643



68.8430, 80.4900, 88.1729

Sweetspot

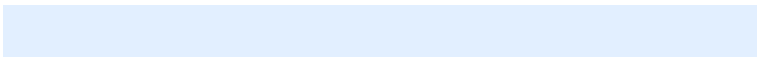
The Sweet Spot groups the original color and five complimentary colors.



81.8665, 80.4933, 105.8297



91.4074, 94.5711, 108.0441



80.2978, 85.1538, 106.8119



19.3609, 19.9390, 23.0781



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.



81.8665, 80.4933, 105.8297



79.0550, 76.3897, 105.1858



86.2553, 82.7827, 104.8213



17.9612, 17.8717, 22.7529



15.3176, 6.8070, 49.9411



1.6173, 0.7276, 4.8685

Inverse Universe

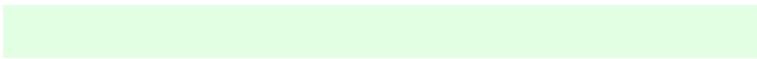
The Inverse Universe completely reimagines the original color for something new.



84.0184, 81.8880, 93.0420



81.6893, 78.0955, 89.5964



81.0539, 93.2609, 86.7321



18.3478, 18.1224, 20.4488



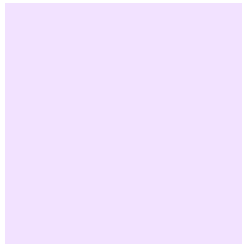
23.2179, 11.7765, 9.7981



2.3147, 1.1683, 1.2388

Previews

White Background



This preview shows how the XYZ color 81.8643, 80.4900, 105.8291 looks on a white background.

Color Contrast Check

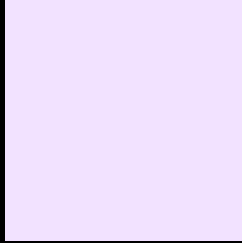
Large Text (above 18pt) WCAG AA × Fail

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 81.8643, 80.4900, 105.8291 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

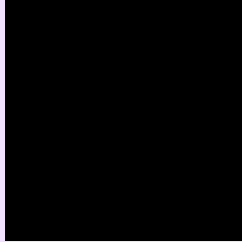
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.8643, 80.4900, 105.8291

Background



This preview shows how black text looks on a background with the XYZ color 81.8643, 80.4900, 105.8291.



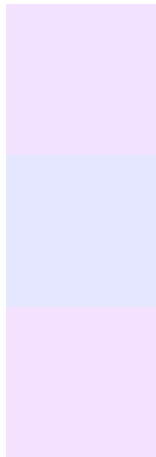
This preview shows how white text looks on a background with the XYZ color 81.8643, 80.4900,

105.8291.

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

81.8643, 80.4900, 105.8291

Protanopia

78.6599, 80.4716, 105.9945

Deuteranopia

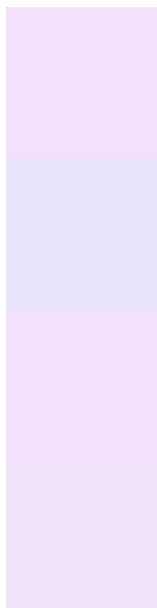
82.2834, 80.3035, 105.7711



Tritanopia

80.6536, 80.8414, 98.5418

Trichromacy



Original Color

81.8643, 80.4900, 105.8291

Protanomaly

80.0010, 80.7510, 105.9777

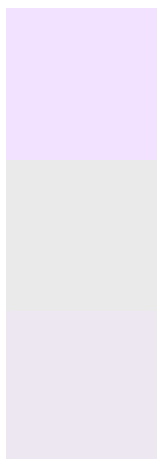
Deuteranomaly

81.9374, 80.1251, 105.7549

Tritanomaly

80.8436, 80.4785, 100.8955

Monochromacy



Original Color

81.8643, 80.4900, 105.8291

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 81.8643, 80.4900, 105.8291 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, 226, 255)` looks like.

```
.text, #text, p{  
    color:rgb(242, 226, 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, 226, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 226, 255) }
```

Border

The CSS property to change the border of an element to XYZ 81.8643, 80.4900, 105.8291 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, 226, 255) }
```


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

```
.border{ border-color:rgb(242, 226, 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, 226, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 226, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 226, 255);  
box-shadow:4px 4px 4px 4px rgb(242, 226,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8643, 80.4900, 105.8291 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 226, 255) }
```

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

```
.background{ background-color: rgb(242,  
226, 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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