

Converting Colors

XYZ(80.5072, 77.8723,
100.9810)

Have a look what the booklet for
XYZ(80.5072, 77.8723, 100.9810)
contains.

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Color

**XYZ(80.4200, 77.8481,
101.2301)**

Conversions

Conversions Part 1

Format	Color
Hex	F4DDFA
RGB	244, 221, 250
RGB Percent	96%, 87%, 98%
CMY	0.0431, 0.1333, 0.0196
CMYK	0.02, 0.12, 0.00, 0.02
HSL	288°, 74%, 92%
HSV	288°, 12%, 98%
XYZ	80.4200, 77.8481, 101.2301
YIQ	231.1830, 4.3990, 13.8950

Conversions

Conversions Part 2

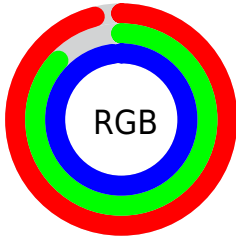
Format	Color
R_{YB}	244, 221, 250
Decimal	16047610
CIE _{Lab}	90.71, 12.95, -11.22
CIE _{LCh}	91, 17.133, 319.105
Yxy	77.8481, 0.3099, 0.3000
Android (android.graphics.Color)	4294237690 (0xFFF4DDFA)
YUV	231.1830, 9.2768, 11.2405
Hunter-Lab	88.2316, 8.2913, -6.2627

Details

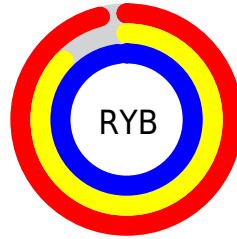
The XYZ color **80.4200, 77.8481, 101.2301** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **78.9181, 89.9246, 81.6082**, and the grayscale version is **76.0246, 79.9838, 87.1024**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.1129, 41.8588, 56.7935** is the 20% darker color. If you saturate the color by 10%, you get **72.5355, 64.7054, 99.1100**, and if you desaturate by 10%, it is **89.3422, 92.9890, 103.6835**.

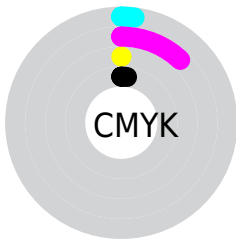
Distribution



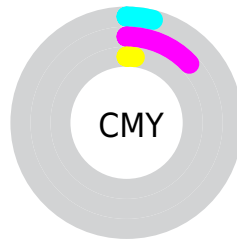
- Red (96%)
- Green (87%)
- Blue (98%)



- Red (96%)
- Yellow (87%)
- Blue (98%)



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





- Cyan (4%)
- Magenta (13%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 80.4200, 77.8481, 101.2301 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 80.4200, 77.8481, 101.2301 by changing the saturation by 10% instead.


 80.4200, 77.8481,
101.2301

 80.4200, 77.8481,
101.2301


485.0621,
487.6508, 585.4097

 60.3737, 57.9492,
76.7056


132.9035,
130.3360, 164.9132

 43.9705, 41.7678,
56.5012

166.0714,
163.6937, 204.9089

 30.8451, 28.9195,
40.1982


204.3438,
202.3066, 250.8988

 20.6322, 19.0200,
27.3782

248.0862,
246.5589, 303.3014

 12.9663, 11.6847,
17.6225

297.6639,
296.8351, 362.5352

 7.4822, 6.5294,
10.5127

353.4422,

 3.8145, 3.1696,

353.5195, 429.0189

5.6302

415.7865,
416.9966, 503.1708

■ 1.5977, 1.2209,
2.5564

■ 0.3909, 0.0787,
0.8698

■ 80.4200, 77.8481,
101.2301

■ 80.4200, 77.8481,
101.2301

■ 72.5355, 64.7054,
99.1100

■ 89.3422, 92.9890,
103.6835

■ 65.6383, 53.4643,
97.3038

■ 94.0159, 99.5587,
104.7053

■ 59.6836, 44.0347,
95.7975

■ 94.2555, 99.6822,
104.7165

■ 54.6206, 36.3155,
94.5744

■ 50.3934, 30.1955,
93.6160

■ 46.9394, 25.5501,
92.9014

■ 44.1866, 22.2363,
92.4068

■ 42.0487, 20.0818,
92.1036

■ 40.6162, 18.9451,
91.9597

Harmonies

Analogous

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



76.7316, 77.8481, 109.1654



80.4200, 77.8481, 101.2301



82.4121, 77.8481, 89.3182

Triad

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



80.4200, 77.8481, 101.2301



75.5661, 77.8481, 63.5719



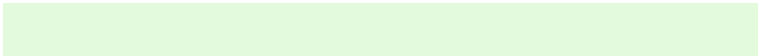
66.4512, 77.8481, 92.7524

Complementary

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



80.4200, 77.8481, 101.2301



78.9181, 89.9246, 81.6082

Split Complementary

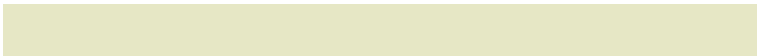
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



66.1664, 77.8481, 80.3660



80.4200, 77.8481, 101.2301



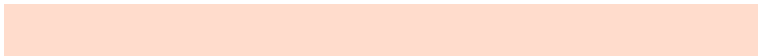
71.3189, 77.8481, 64.2990

Square

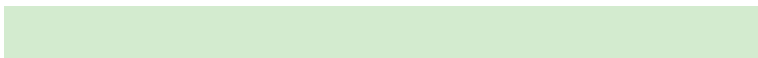
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



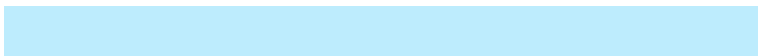
80.4200, 77.8481, 101.2301



79.5384, 77.8481, 68.0940



67.9165, 77.8481, 70.1868



68.7102, 77.8481, 103.9527

Rectangle

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



80.4200, 77.8481, 101.2301



82.4603, 77.8481, 81.0711



67.9165, 77.8481, 70.1868



66.1248, 77.8481, 88.5661

Sweetspot

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



80.4223, 77.8514, 101.2318



92.0779, 94.9168, 108.0755



74.6239, 77.3711, 101.4447



19.5421, 20.0324, 23.0866



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.



80.4223, 77.8514, 101.2318



82.0342, 77.9255, 105.3252



81.2776, 78.4380, 94.6922



17.6207, 17.3326, 21.8021



21.6671, 10.1125, 48.7835



2.0921, 0.9806, 4.5222

Inverse Universe

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



79.1486, 77.5864, 83.4809



80.4718, 77.6085, 83.1852



78.1803, 89.4146, 87.4289



17.3915, 17.2840, 18.6513



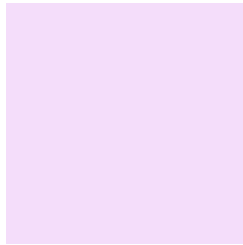
21.2789, 10.9273, 2.9110



2.0073, 1.0267, 0.4618

Previews

White Background



This preview shows how the XYZ color 80.4200, 77.8481, 101.2301 looks on a white background.

Color Contrast Check

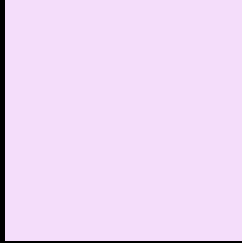
Large Text (above 18pt) WCAG AA × Fail

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 80.4200, 77.8481, 101.2301 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 80.4200, 77.8481, 101.2301

Background



This preview shows how black text looks on a background with the XYZ color 80.4200, 77.8481, 101.2301.

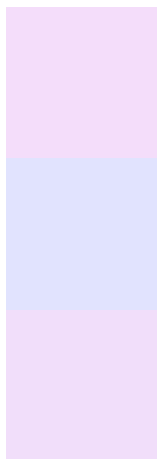


This preview shows how white text looks on a background with the XYZ color 80.4200, 77.8481,

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

80.4200, 77.8481, 101.2301

Protanopia

76.4098, 78.1015, 104.8138

Deuteranopia

79.6522, 77.8455, 101.2700



Tritanopia

79.0780, 78.1213, 93.3491

Trichromacy



Original Color

80.4200, 77.8481, 101.2301

Protanomaly

77.9335, 78.0981, 103.8954

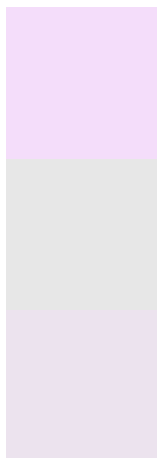
Deuteranomaly

79.9945, 78.0219, 101.2861

Tritanomaly

79.4126, 77.8289, 96.4249

Monochromacy



Original Color

80.4200, 77.8481, 101.2301

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

77.4938, 78.9441, 92.0423

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.4200, 77.8481, 101.2301 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, 221, 250)` looks like.

```
.text, #text, p{  
    color:rgb(244, 221, 250)  
}
```

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, 221, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 221, 250) }
```

Border

The CSS property to change the border of an element to XYZ 80.4200, 77.8481, 101.2301 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, 221, 250) }
```


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

```
.border{ border-color:rgb(244, 221, 250) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 221, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 221, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 221, 250);  
box-shadow:4px 4px 4px 4px rgb(244, 221,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 80.4200, 77.8481, 101.2301 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 221, 250) }
```

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

```
.background{ background-color: rgb(244,  
221, 250) }
```

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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