

Converting Colors

XYZ(85.8113, 81.8122,
104.9276)

Have a look what the booklet for
XYZ(85.8113, 81.8122, 104.9276)
contains.

XYZ(85.7850, 81.7271, 105.0195)	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(85.7850, 81.7271,
105.0195)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE0FE
RGB	255, 224, 254
RGB Percent	100%, 88%, 100%
CMY	0.0000, 0.1215, 0.0039
CMYK	0.00, 0.12, 0.00, 0.00
HSL	302°, 100%, 94%
HSV	302°, 12%, 100%
XYZ	85.7850, 81.7271, 105.0195
YIQ	236.6890, 8.8460, 15.9020

Conversions

Conversions Part 2

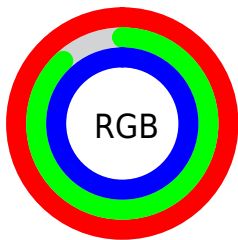
Format	Color
R_{YB}	255, 224, 254
Decimal	16769278
CIE _{Lab}	92.45, 15.73, -10.62
CIE _{LCh}	92, 18.973, 325.978
Yxy	81.7271, 0.3148, 0.2999
Android (android.graphics.Color)	4294959358 (0xFFFFE0FE)
YUV	236.6890, 8.5343, 16.0587
Hunter-Lab	90.4030, 11.1764, -5.5939

Details

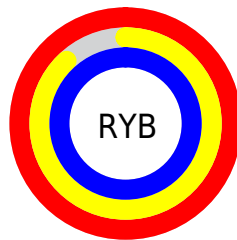
The XYZ color **85.7850, 81.7271, 105.0195** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **80.0935, 92.8047, 84.9291**, and the grayscale version is **80.1906, 84.3668, 91.8754**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.5547, 44.4129, 58.8895** is the 20% darker color. If you saturate the color by 10%, you get **79.3082, 68.9832, 102.2139**, and if you desaturate by 10%, it is **93.2938, 96.5332, 108.1741**.

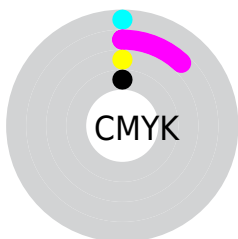
Distribution



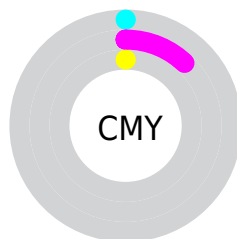
- Red (100%)
- Green (88%)
- Blue (100%)



- Red (100%)
- Yellow (88%)
- Blue (100%)



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




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.7850, 81.7271, 105.0195 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 85.7850, 81.7271, 105.0195 by changing the saturation by 10% instead.


 85.7850, 81.7271,
105.0195

 85.7850, 81.7271,
105.0195


502.6666,
500.7344, 597.5521

 64.8149, 61.1406,
79.8589


140.3778,
135.7912, 170.1500

 47.5751, 44.3387,
59.0768


174.7312,
170.0377, 210.9570

 33.7004, 30.9368,
42.2545


214.2764,
209.6062, 257.8166

 22.8253, 20.5508,
28.9736

259.3787,
254.8813, 311.1473

 14.5846, 12.7960,
18.8154

310.4035,
306.2472, 371.3677

 8.6128, 7.2882,
11.3615

367.7162,

 4.5445, 3.6430,

364.0885, 438.8963

6.1933

431.6821,
428.7894, 514.1516

■ 2.0146, 1.4759,
2.8923

■ 0.6421, 0.2717,
1.0399

■ 85.7850, 81.7271,
105.0195

■ 85.7850, 81.7271,
105.0195

■ 79.3082, 68.9832,
102.2139

■ 93.2938, 96.5332,
108.1741

■ 73.8123, 58.2005,
99.7370

95.0500, 100.0000,
108.9000

■ 69.2499, 49.2841,
97.5740

■ 65.5680, 42.1276,
95.7073

■ 62.7078, 36.6138,
94.1173

■ 60.6038, 32.6113,
92.7821

■ 59.1800, 29.9685,
91.6764

■ 58.3451, 28.5025,
90.7697

■ 57.9953, 27.9621,
90.1621

Harmonies

Analogous

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



81.8962, 81.7271, 115.6264



85.7850, 81.7271, 105.0195



87.5012, 81.7271, 90.9004

Triad

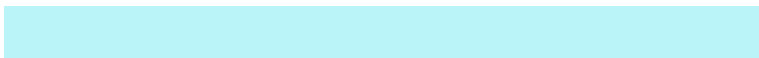
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.7850, 81.7271, 105.0195



78.3445, 81.7271, 64.6087



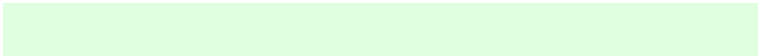
69.4830, 81.7271, 101.3871

Complementary

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



85.7850, 81.7271, 105.0195



80.0935, 92.8047, 84.9291

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.



68.6211, 81.7271, 87.1005



85.7850, 81.7271, 105.0195



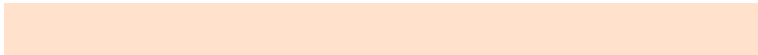
73.6094, 81.7271, 66.7898

Square

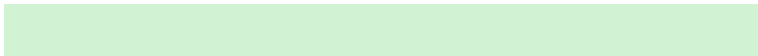
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.7850, 81.7271, 105.0195



83.0922, 81.7271, 68.3712



70.1007, 81.7271, 74.6752



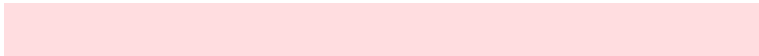
72.5064, 81.7271, 113.3787

Rectangle

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



85.7850, 81.7271, 105.0195



87.1314, 81.7271, 81.7369



70.1007, 81.7271, 74.6752



68.9365, 81.7271, 96.6534

Sweetspot

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



85.7869, 81.7304, 105.0212



91.8291, 93.6427, 107.5656



75.6099, 76.4654, 105.3820



19.5296, 19.7957, 22.9711



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.



85.7869, 81.7304, 105.0212



83.8407, 77.8978, 104.1879



83.4752, 80.8057, 92.8483



18.7659, 18.2897, 22.6504



30.3151, 14.6153, 47.1712



2.9593, 1.4261, 4.6331

Inverse Universe

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



85.7869, 81.7304, 105.0212



83.8407, 77.8978, 104.1879



82.2334, 93.6607, 96.1975



18.7659, 18.2897, 22.6504



30.3151, 14.6153, 47.1712



2.9593, 1.4261, 4.6331

Previews

White Background



This preview shows how the XYZ color 85.7850, 81.7271, 105.0195 looks on a white background.

Color Contrast Check

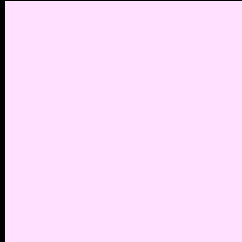
Large Text (above 18pt) WCAG AA × Fail

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 85.7850, 81.7271, 105.0195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

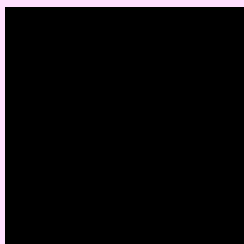
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.7850, 81.7271, 105.0195

Background



This preview shows how black text looks on a background with the XYZ color 85.7850, 81.7271, 105.0195.



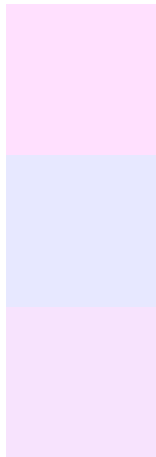
This preview shows how white text looks on a background with the XYZ color 85.7850, 81.7271,

105.0195.

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

85.7850, 81.7271, 105.0195

Protanopia

79.8616, 81.9221, 106.2111

Deuteranopia

83.5565, 81.8042, 104.3144



Tritanopia

83.8820, 81.7464, 96.1516

Trichromacy



Original Color

85.7850, 81.7271, 105.0195

Protanomaly

82.0045, 81.7839, 106.0715

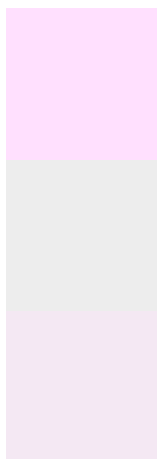
Deuteranomaly

84.3503, 81.8086, 104.2734

Tritanomaly

84.5868, 81.6367, 99.2949

Monochromacy



Original Color

85.7850, 81.7271, 105.0195

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

82.3425, 83.4174, 96.5553

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.7850, 81.7271, 105.0195 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(255, 224, 254)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 254)  
}
```

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(255, 224, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 254) }
```

Border

The CSS property to change the border of an element to XYZ 85.7850, 81.7271, 105.0195 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(255, 224, 254) }
```


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

```
.border{ border-color:rgb(255, 224, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 224, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 254);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 85.7850, 81.7271, 105.0195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 254) }
```

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

```
.background{ background-color: rgb(255,  
224, 254) }
```

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