

Converting Colors

XYZ(87.9674, 82.4274,
118.0808)

Have a look what the booklet for
XYZ(87.9674, 82.4274, 118.0808)
contains.

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Color

**XYZ(85.5787, 81.6021,
105.8480)**

Conversions

Conversions Part 1

Format	Color
Hex	FEE0FF
RGB	254, 224, 255
RGB Percent	100%, 88%, 100%
CMY	0.0039, 0.1215, 0.0000
CMYK	0.00, 0.12, 0.00, 0.00
HSL	298°, 100%, 94%
HSV	298°, 12%, 100%
XYZ	85.5787, 81.6021, 105.8480
YIQ	236.5040, 7.9290, 16.0010

Conversions

Conversions Part 2

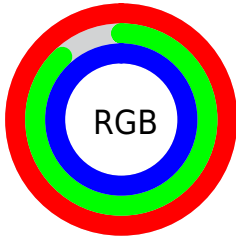
Format	Color
R_{YB}	254, 224, 255
Decimal	16703743
CIE _{Lab}	92.40, 15.58, -11.23
CIE _{LCh}	92, 19.202, 324.211
Yxy	81.6021, 0.3134, 0.2989
Android (android.graphics.Color)	4294893823 (0xFFFE0FF)
YUV	236.5040, 9.1185, 15.3440
Hunter-Lab	90.3339, 11.0195, -6.2389

Details

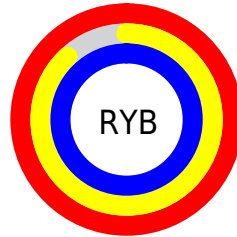
The XYZ color **85.5787, 81.6021, 105.8480** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **80.2679, 92.9103, 84.2280**, and the grayscale version is **80.0450, 84.2135, 91.7085**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4070, 44.3235, 59.4827** is the 20% darker color. If you saturate the color by 10%, you get **78.9336, 68.7563, 103.7188**, and if you desaturate by 10%, it is **93.2571, 96.5109, 108.3210**.

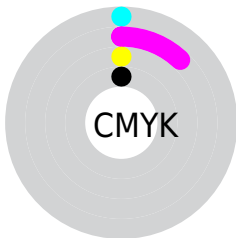
Distribution



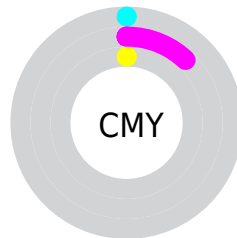
- Red (100%)
- Green (88%)
- Blue (100%)



- 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 85.5787, 81.6021, 105.8480 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 85.5787, 81.6021, 105.8480 by changing the saturation by 10% instead.


 85.5787, 81.6021,
105.8480

 85.5787, 81.6021,
105.8480


501.9959,
500.3158, 600.1897

 64.6438, 61.0376,
80.5494


140.0913,
135.6159, 171.2924

 47.4359, 44.2555,
59.6417


174.3996,
169.8339, 212.2753

 33.5898, 30.8714,
42.7065

213.8965,
209.3720, 259.3233

 22.7400, 20.5010,
29.3252

258.9472,
254.6144, 312.8550

 14.5213, 12.7597,
19.0793

309.9172,
305.9456, 373.2890

 8.5682, 7.2633,
11.5502

367.1717,

 4.5155, 3.6273,

363.7500, 441.0437

6.3194

431.0761,
428.4119, 516.5378

■ 1.9977, 1.4673,
2.9683

■ 0.6327, 0.2656,
1.0785

■ 85.5787, 81.6021,
105.8480

■ 85.5787, 81.6021,
105.8480

■ 78.9336, 68.7563,
103.7188

■ 93.2571, 96.5109,
108.3210

■ 73.2698, 57.8719,
101.9164

95.0500, 100.0000,
108.9000

■ 68.5403, 48.8543,
100.4251

■ 64.6919, 41.5971,
99.2271

■ 61.6660, 35.9830,
98.3030

■ 59.3969, 31.8806,
97.6307

■ 57.8089, 29.1383,
97.1851

■ 56.8104, 27.5732,
96.9357

■ 56.3328, 26.9555,
96.8416

Harmonies

Analogous

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



81.5484, 81.6021, 116.2420



85.5787, 81.6021, 105.8480



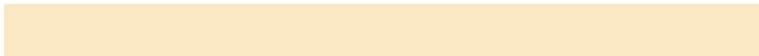
87.4684, 81.6021, 91.6419

Triad

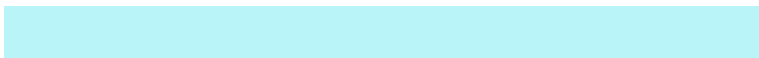
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.5787, 81.6021, 105.8480



78.5289, 81.6021, 64.2944



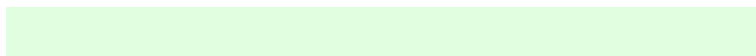
69.1617, 81.6021, 100.5617

Complementary

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



85.5787, 81.6021, 105.8480



80.2679, 92.9103, 84.2280

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.



68.4303, 81.6021, 86.1170



85.5787, 81.6021, 105.8480



73.7045, 81.6021, 66.1407

Square

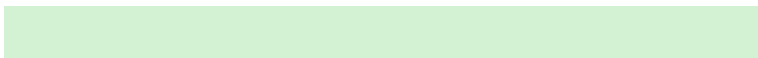
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.5787, 81.6021, 105.8480



83.2880, 81.6021, 68.4357



70.0592, 81.6021, 73.7782



72.1015, 81.6021, 112.9689

Rectangle

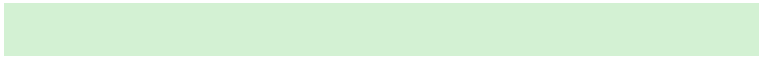
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.5787, 81.6021, 105.8480



87.2045, 81.6021, 82.2958



70.0592, 81.6021, 73.7782



68.6549, 81.6021, 95.7450

Sweetspot

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



85.5809, 81.6055, 105.8486



91.7612, 93.6016, 107.8383



75.7280, 76.9396, 105.4673



19.5124, 19.7852, 23.0405



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.



85.5809, 81.6055, 105.8486



83.5867, 77.7440, 105.2083



83.7051, 80.8976, 94.0592



18.7314, 18.2688, 22.7889



29.4609, 14.0981, 50.6030



2.8860, 1.3817, 4.9279

Inverse Universe

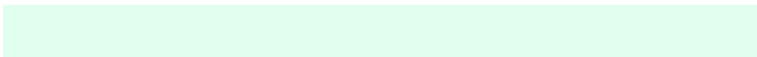
The Inverse Universe completely reimagines the original color for something new.



81.4883, 80.0108, 82.3857



78.6410, 75.8179, 76.8068



82.0040, 93.5689, 94.9897



18.0331, 17.9965, 18.7914



21.5825, 11.1223, 1.1862



2.1094, 1.0861, 0.1574

Previews

White Background



This preview shows how the XYZ color 85.5787, 81.6021, 105.8480 looks on a white background.

Color Contrast Check

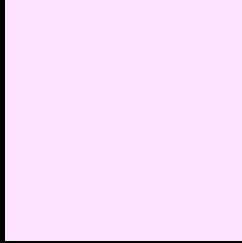
Large Text (above 18pt) WCAG AA × Fail

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 85.5787, 81.6021, 105.8480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

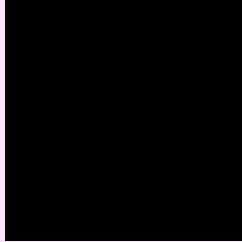
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.5787, 81.6021, 105.8480

Background



This preview shows how black text looks on a background with the XYZ color 85.5787, 81.6021, 105.8480.



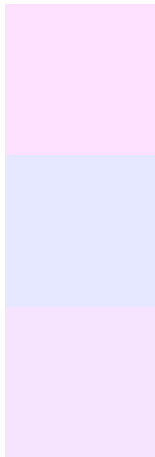
This preview shows how white text looks on a background with the XYZ color 85.5787, 81.6021,

105.8480.

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

85.5787, 81.6021, 105.8480

Protanopia

79.5397, 81.7562, 106.1961

Deuteranopia

83.3645, 81.6868, 105.1393



Tritanopia

83.6704, 81.6198, 96.9322

Trichromacy



Original Color

85.5787, 81.6021, 105.8480

Protanomaly

81.6659, 81.6093, 106.0557

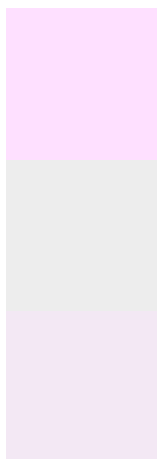
Deuteranomaly

84.1527, 81.6882, 105.0980

Tritanomaly

84.3765, 81.5104, 100.0929

Monochromacy



Original Color

85.5787, 81.6021, 105.8480

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

82.1479, 83.2996, 97.3367

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.5787, 81.6021, 105.8480 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(254, 224, 255)` looks like.

```
.text, #text, p{  
    color:rgb(254, 224, 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(254, 224, 255) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 85.5787, 81.6021, 105.8480 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(254, 224, 255) }
```


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

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

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

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

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

Background

The CSS property to change the background color of an element to XYZ 85.5787, 81.6021, 105.8480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

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

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

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