

Converting Colors

XYZ(85.8421, 80.6430,
115.9971)

Have a look what the booklet for
XYZ(85.8421, 80.6430, 115.9971)
contains.

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Color

**XYZ(83.9549, 79.9718,
105.6189)**

Conversions

Conversions Part 1

Format	Color
Hex	FBDEFF
RGB	251, 222, 255
RGB Percent	98%, 87%, 100%
CMY	0.0157, 0.1294, 0.0000
CMYK	0.02, 0.13, 0.00, 0.00
HSL	293°, 100%, 94%
HSV	293°, 13%, 100%
XYZ	83.9549, 79.9718, 105.6189
YIQ	234.4330, 6.6910, 16.4110

Conversions

Conversions Part 2

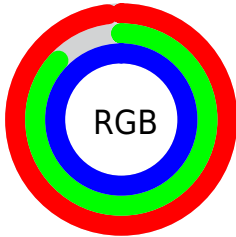
Format	Color
R _Y B	251, 222, 255
Decimal	16506623
CIE Lab	91.67, 15.64, -12.34
CIE LCh	92, 19.918, 321.720
Yxy	79.9718, 0.3115, 0.2967
Android (android.graphics.Color)	4294696703 (0xFFFBDEFF)
YUV	234.4330, 10.1395, 14.5293
Hunter-Lab	89.4270, 11.0804, -7.4264

Details

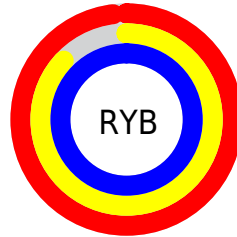
The XYZ color **83.9549, 79.9718, 105.6189** is a light color, and the websafe version is hex **FFCCFF**. A complement of this color would be **80.3109, 92.9637, 82.8223**, and the grayscale version is **78.4587, 82.5447, 89.8911**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2599, 43.1840, 59.3233** is the 20% darker color. If you saturate the color by 10%, you get **76.5842, 66.8687, 103.4783**, and if you desaturate by 10%, it is **92.3723, 95.1395, 108.1030**.

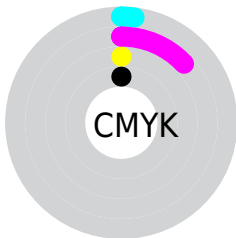
Distribution



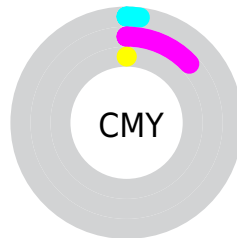
- Red (98%)
- Green (87%)
- Blue (100%)



- Red (98%)
- Yellow (87%)
- Blue (100%)



- Cyan (2%)
- Magenta (13%)
- Yellow (0%)
- Black (0%)





- Cyan (2%)
- Magenta (13%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.9549, 79.9718, 105.6189 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 83.9549, 79.9718, 105.6189 by changing the saturation by 10% instead.

 83.9549, 79.9718,
105.6189

 83.9549, 79.9718,
105.6189


496.6994,
494.8378, 599.4609

 63.2978, 59.6951,
80.3584


137.8337,
133.3261, 170.9766

 46.3417, 43.1730,
59.4854


171.7860,
167.1725, 211.9109

 32.7213, 30.0208,
42.5814


210.9009,
206.3110, 258.9069

 22.0713, 19.8544,
29.2279

255.5435,
251.1259, 312.3831

 14.0262, 12.2893,
19.0062

306.0793,
302.0016, 372.7581

 8.2207, 6.9410,
11.4979

362.8737,

 4.2895, 3.4252,

359.3226, 440.4503

6.2844

426.2919,
423.4732, 515.8784

■ 1.8672, 1.3576,
2.9472

■ 0.5576, 0.1851,
1.0677

■ 83.9549, 79.9718,
105.6189

■ 83.9549, 79.9718,
105.6189

■ 76.5842, 66.8687,
103.4783

■ 92.3723, 95.1395,
108.1030

■ 70.2078, 55.7283,
101.6640

95.0500, 100.0000,
108.9000

■ 64.7785, 46.4554,
100.1603

■ 60.2426, 38.9426,
98.9493

■ 56.5408, 33.0717,
98.0112

■ 53.6068, 28.7099,
97.3239

■ 51.3637, 25.7037,
96.8619

■ 49.7183, 23.8668,
96.5941

■ 48.8208, 23.0829,
96.4900

Harmonies

Analogous

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



79.6903, 79.9718, 115.7954



83.9549, 79.9718, 105.6189



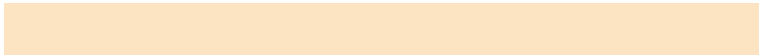
86.1125, 79.9718, 91.1747

Triad

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



83.9549, 79.9718, 105.6189



77.4289, 79.9718, 62.1805



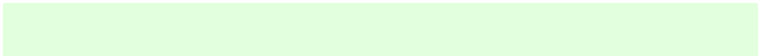
67.2767, 79.9718, 97.8653

Complementary

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



83.9549, 79.9718, 105.6189



80.3109, 92.9637, 82.8223

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.



66.7317, 79.9718, 83.1014



83.9549, 79.9718, 105.6189



72.4463, 79.9718, 63.5467

Square

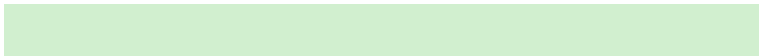
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.9549, 79.9718, 105.6189



82.2363, 79.9718, 66.8750



68.5843, 79.9718, 70.8408



70.1077, 79.9718, 110.9826

Rectangle

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



83.9549, 79.9718, 105.6189



86.0017, 79.9718, 81.5056



68.5843, 79.9718, 70.8408



66.8253, 79.9718, 92.8940

Sweetspot

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



83.9571, 79.9752, 105.6195



91.4286, 93.4302, 107.8228



75.4826, 77.3638, 105.5621



19.4279, 19.7416, 23.0365



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.



83.9571, 79.9752, 105.6195



81.5915, 75.7487, 104.9284



83.5257, 79.9708, 95.7502



18.5632, 18.1821, 22.7811



25.5956, 12.1055, 50.4221



2.5506, 1.2088, 4.9122

Inverse Universe

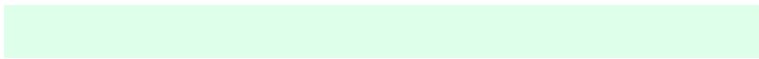
The Inverse Universe completely reimagines the original color for something new.



81.0909, 78.9969, 82.9285



78.1424, 74.5765, 77.3937



80.7522, 92.9970, 91.6141



18.0989, 18.0229, 19.1380



21.7052, 11.1714, 1.8322



2.1405, 1.0986, 0.3211

Previews

White Background



This preview shows how the XYZ color 83.9549, 79.9718, 105.6189 looks on a white background.

Color Contrast Check

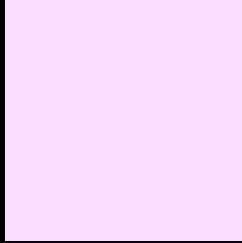
Large Text (above 18pt) WCAG AA × Fail

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 83.9549, 79.9718, 105.6189 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

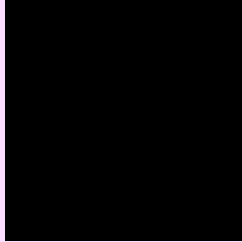
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.9549, 79.9718, 105.6189

Background



This preview shows how black text looks on a background with the XYZ color 83.9549, 79.9718, 105.6189.



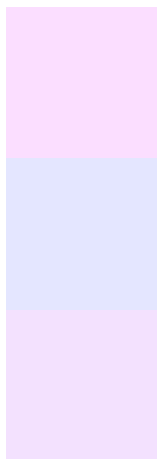
This preview shows how white text looks on a background with the XYZ color 83.9549, 79.9718,

105.6189.

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

83.9549, 79.9718, 105.6189

Protanopia

78.3417, 80.3076, 105.9796

Deuteranopia

81.7768, 80.0609, 104.9091



Tritanopia

81.7496, 79.8619, 95.1106

Trichromacy



Original Color

83.9549, 79.9718, 105.6189

Protanomaly

80.1112, 79.9910, 105.8252

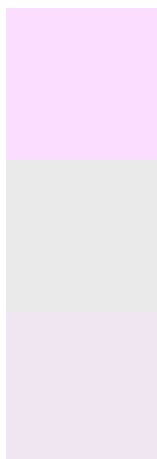
Deuteranomaly

82.5511, 80.0599, 104.8681

Tritanomaly

82.6005, 79.8147, 99.0480

Monochromacy



Original Color

83.9549, 79.9718, 105.6189

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

80.2590, 81.5297, 95.5111

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.9549, 79.9718, 105.6189 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(251, 222, 255)` looks like.

```
.text, #text, p{  
    color:rgb(251, 222, 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(251, 222, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 222, 255) }
```

Border

The CSS property to change the border of an element to XYZ 83.9549, 79.9718, 105.6189 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(251, 222, 255) }
```


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

```
.border{ border-color:rgb(251, 222, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 222, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 222, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 222, 255);  
box-shadow:4px 4px 4px 4px rgb(251, 222,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 83.9549, 79.9718, 105.6189 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 222, 255) }
```

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

```
.background{ background-color: rgb(251,  
222, 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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