

Converting Colors

XYZ(83.9161, 80.1282, 97.8019)

Have a look what the booklet for
XYZ(83.9161, 80.1282, 97.8019)
contains.

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Color

**XYZ(83.8427, 80.0951,
97.4271)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDEF5
RGB	255, 222, 245
RGB Percent	100%, 87%, 96%
CMY	0.0000, 0.1294, 0.0392
CMYK	0.00, 0.13, 0.04, 0.00
HSL	318°, 100%, 94%
HSV	318°, 13%, 100%
XYZ	83.8427, 80.0951, 97.4271
YIQ	234.4890, 12.2850, 14.1490

Conversions

Conversions Part 2

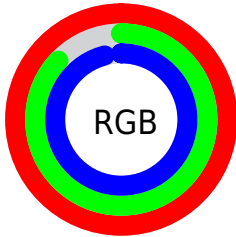
Format	Color
R _Y B	255, 222, 245
Decimal	16768757
CIE Lab	91.73, 15.18, -6.99
CIE LCh	92, 16.714, 335.289
Yxy	80.0951, 0.3208, 0.3064
Android (android.graphics.Color)	4294958837 (0xFFFFDEF5)
YUV	234.4890, 5.1819, 17.9881
Hunter-Lab	89.4959, 10.6070, -1.8972

Details

The XYZ color **83.8427, 80.0951, 97.4271** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **80.4521, 92.8770, 90.0340**, and the grayscale version is **78.5343, 82.6242, 89.9778**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2927, 43.3173, 54.0653** is the 20% darker color. If you saturate the color by 10%, you get **76.4203, 67.0989, 89.2543**, and if you desaturate by 10%, it is **92.3421, 95.1659, 106.2042**.

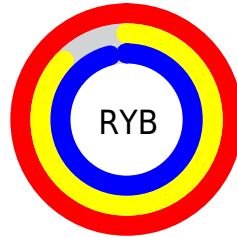
Distribution



Red (100%)

Green (87%)

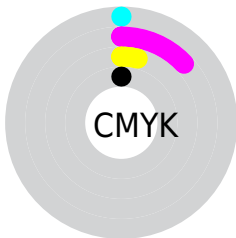
Blue (96%)



Red (100%)

Yellow (87%)

Blue (96%)

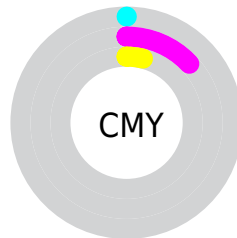


Cyan (0%)

Magenta (13%)

Yellow (4%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.8427, 80.0951, 97.4271 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 83.8427, 80.0951, 97.4271 by changing the saturation by 10% instead.


 83.8427, 80.0951,
97.4271

 83.8427, 80.0951,
97.4271


496.3323,
495.2533, 573.0879

 63.2048, 59.7966,
73.5487


137.6775,
133.4994, 159.6378

 46.2662, 43.2547,
53.9302


171.6052,
167.3741, 198.8072

 32.6615, 30.0850,
38.1531


210.6935,
206.5429, 243.9106

 22.0252, 19.9031,
25.7987

255.3078,
251.3902, 295.3667

 13.9921, 12.3247,
16.4487

305.8135,
302.3006, 353.5939

 8.1969, 6.9652,
9.6845

362.5759,

 4.2740, 3.4403,

359.6583, 419.0108

5.0874

425.9604,
423.8477, 492.0360

■ 1.8583, 1.3657,
2.2390

■ 0.5524, 0.1912,
0.6967

■ 83.8427, 80.0951,
97.4271

■ 83.8427, 80.0951,
97.4271

■ 76.4203, 67.0989,
89.2543

■ 92.3421, 95.1659,
106.2042

■ 70.0233, 56.0757,
81.6624

95.0500, 100.0000,
108.9000

■ 64.6034, 46.9300,
74.6334

■ 60.1064, 39.5541,
68.1462

■ 56.4727, 33.8296,
62.1778

■ 53.6351, 29.6236,
56.7027

■ 51.5163, 26.7823,
51.6919

■ 50.0225, 25.1193,
47.1107

■ 49.2483, 24.4633,
44.1009

Harmonies

Analogous

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



80.9765, 80.0951, 107.8734



83.8427, 80.0951, 97.4271



84.6106, 80.0951, 85.0578

Triad

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



83.8427, 80.0951, 97.4271



75.3728, 80.0951, 65.8047



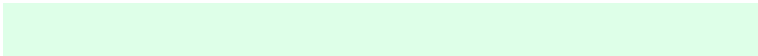
69.6131, 80.0951, 101.5301

Complementary

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



83.8427, 80.0951, 97.4271



80.4521, 92.8770, 90.0340

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.



68.2322, 80.0951, 89.3981



83.8427, 80.0951, 97.4271



71.4770, 80.0951, 69.3696

Square

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



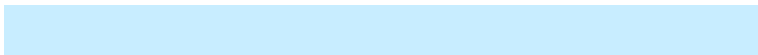
83.8427, 80.0951, 97.4271



79.6166, 80.0951, 67.5233



68.9017, 80.0951, 77.7333



72.7428, 80.0951, 110.3933

Rectangle

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



83.8427, 80.0951, 97.4271



83.8054, 80.0951, 77.5344



68.9017, 80.0951, 77.7333



68.9344, 80.0951, 97.6587

Sweetspot

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



83.8445, 80.0983, 97.4288



91.3882, 93.4664, 105.2440



77.4204, 76.6054, 105.3136



19.4177, 19.7509, 22.3817



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.



83.8445, 80.0983, 97.4288



81.4599, 75.9035, 94.8635



81.4505, 79.1407, 84.8225



18.5444, 18.2011, 21.4842



25.8027, 12.8104, 23.4095



2.5609, 1.2667, 2.5351

Inverse Universe

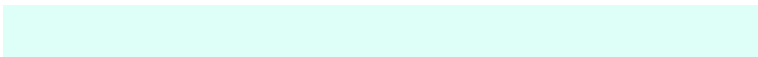
The Inverse Universe completely reimagines the original color for something new.



83.8445, 80.0983, 97.4288



81.4599, 75.9035, 94.8635



82.8916, 93.8528, 102.8801



18.5444, 18.2011, 21.4842



25.8027, 12.8104, 23.4095



2.5609, 1.2667, 2.5351

Previews

White Background



This preview shows how the XYZ color 83.8427, 80.0951, 97.4271 looks on a white background.

Color Contrast Check

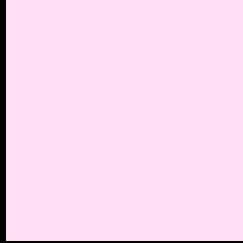
Large Text (above 18pt) WCAG AA × Fail

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 83.8427, 80.0951, 97.4271 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 83.8427, 80.0951, 97.4271

Background



This preview shows how black text looks on a background with the XYZ color 83.8427, 80.0951, 97.4271.



This preview shows how white text looks on a background with the XYZ color 83.8427, 80.0951,

97.4271.

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

83.8427, 80.0951, 97.4271

Protanopia

78.1853, 80.3188, 101.8247

Deuteranopia

81.9657, 80.3385, 96.7748



Tritanopia

82.9889, 80.1375, 93.5322

Trichromacy



Original Color

83.8427, 80.0951, 97.4271

Protanomaly

80.0090, 80.0662, 100.0443

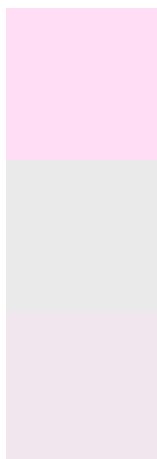
Deuteranomaly

82.7684, 80.3522, 96.7351

Tritanomaly

83.2877, 80.2570, 95.1058

Monochromacy



Original Color

83.8427, 80.0951, 97.4271

Achromatopsia

78.2058, 82.2786, 89.6014

Achromatomaly

80.3474, 81.6439, 92.4130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.8427, 80.0951, 97.4271 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, 222, 245) looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 245)  
}
```

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, 222, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 245) }
```

Border

The CSS property to change the border of an element to XYZ 83.8427, 80.0951, 97.4271 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, 222, 245) }
```


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

```
.border{ border-color:rgb(255, 222, 245) }
```

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

Here you see how a box with a 4 pixel rgb(255, 222, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 245);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 83.8427, 80.0951, 97.4271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 245) }
```

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

```
.background{ background-color: rgb(255,  
222, 245) }
```

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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