

Converting Colors

XYZ(87.9978, 82.5368, 94.8580)

Have a look what the booklet for
XYZ(87.9978, 82.5368, 94.8580)
contains.

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Color

**XYZ(83.5049, 80.3862,
94.3340)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDFF1
RGB	255, 223, 241
RGB Percent	100%, 87%, 95%
CMY	0.0000, 0.1255, 0.0549
CMYK	0.00, 0.13, 0.05, 0.00
HSL	326°, 100%, 94%
HSV	326°, 13%, 100%
XYZ	83.5049, 80.3862, 94.3340
YIQ	234.6200, 13.2940, 12.3820

Conversions

Conversions Part 2

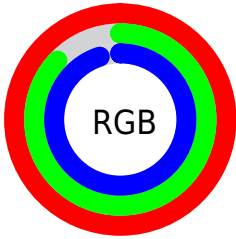
Format	Color
R _Y B	255, 223, 241
Decimal	16769009
CIE Lab	91.86, 13.98, -4.70
CIE LCh	92, 14.746, 341.410
Yxy	80.3862, 0.3234, 0.3113
Android (android.graphics.Color)	4294959089 (0xFFFFDFF1)
YUV	234.6200, 3.1453, 17.8733
Hunter-Lab	89.6584, 9.3470, 0.3789

Details

The XYZ color **83.5049, 80.3862, 94.3340** is a light color, and the websafe version is hex **FFCCCC**. A complement of this color would be **81.4799, 93.3236, 93.8429**, and the grayscale version is **78.6482, 82.7440, 90.1082**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.0483, 43.5138, 51.8709** is the 20% darker color. If you saturate the color by 10%, you get **75.5824, 67.1270, 83.7216**, and if you desaturate by 10%, it is **92.5590, 95.7446, 105.8295**.

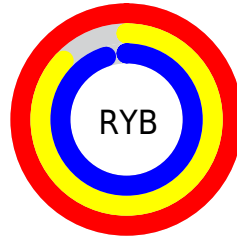
Distribution



Red (100%)

Green (87%)

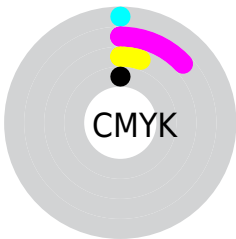
Blue (95%)



Red (100%)

Yellow (87%)

Blue (95%)

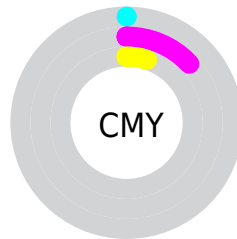


Cyan (0%)

Magenta (13%)

Yellow (5%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 83.5049, 80.3862, 94.3340 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 83.5049, 80.3862, 94.3340 by changing the saturation by 10% instead.


 83.5049, 80.3862,
94.3340

 83.5049, 80.3862,
94.3340


495.2262,
496.2334, 562.9604

 62.9251, 60.0362,
70.9870


137.2072,
133.9086, 155.3318

 46.0390, 43.4478,
51.8498


171.0605,
167.8497, 193.8197

 32.4814, 30.2366,
36.5039


210.0689,
207.0901, 238.1916

 21.8868, 20.0183,
24.5309

254.5979,
252.0140, 288.8661

 13.8899, 12.4083,
15.5121

305.0127,
303.0059, 346.2617

 8.1253, 7.0224,
9.0289

361.6788,

 4.2277, 3.4761,

360.4502, 410.7969

4.6630

424.9615,
424.7312, 482.8903

■ 1.8317, 1.3851,
1.9957

■ 0.5367, 0.2057,
0.5526

■ 83.5049, 80.3862,
94.3340

■ 83.5049, 80.3862,
94.3340

■ 75.5824, 67.1270,
83.7216

■ 92.5590, 95.7446,
105.8295

■ 68.7387, 55.8653,
73.9624

95.0500, 100.0000,
108.9000

■ 62.9245, 46.5050,
65.0318

■ 58.0844, 38.9387,
56.9020

■ 54.1577, 33.0478,
49.5430

■ 51.0763, 28.6993,
42.9220

■ 48.7617, 25.7401,
37.0025

■ 47.1196, 23.9846,
31.7423

■ 46.2305, 23.2562,
28.2096

Harmonies

Analogous

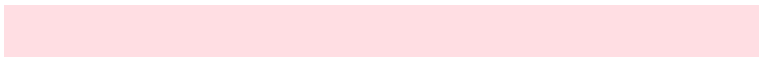
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3152, 80.3862, 104.0902



83.5049, 80.3862, 94.3340



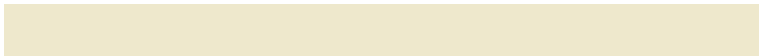
83.7552, 80.3862, 83.4721

Triad

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



83.5049, 80.3862, 94.3340



74.9754, 80.3862, 68.6621



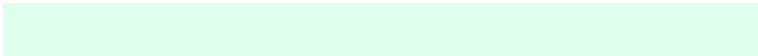
71.0806, 80.3862, 102.0342

Complementary

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



83.5049, 80.3862, 94.3340



81.4799, 93.3236, 93.8429

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.



69.4973, 80.3862, 91.7109



83.5049, 80.3862, 94.3340



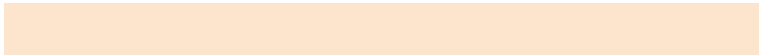
71.6960, 80.3862, 72.8210

Square

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



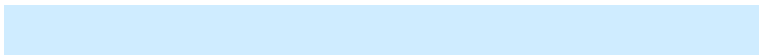
83.5049, 80.3862, 94.3340



78.7459, 80.3862, 69.2378



69.7188, 80.3862, 81.0554



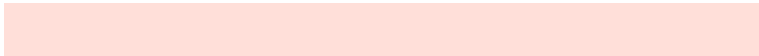
74.1103, 80.3862, 108.7826

Rectangle

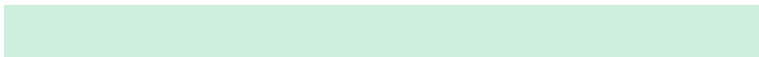
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.5049, 80.3862, 94.3340



82.7791, 80.3862, 77.1178



69.7188, 80.3862, 81.0554



70.3662, 80.3862, 98.8329

Sweetspot

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



83.5066, 80.3894, 94.3357



91.1716, 93.3797, 104.1036



79.3209, 77.9806, 105.4788



19.3628, 19.7289, 22.0928



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

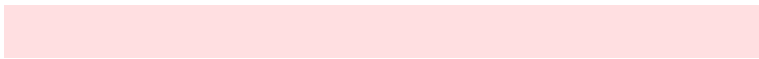
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.5066, 80.3894, 94.3357



81.4600, 76.9455, 91.6513



81.2388, 79.4823, 82.3933



18.4373, 18.1582, 20.9200



24.2328, 12.1824, 15.1424



2.4144, 1.2081, 1.7636

Inverse Universe

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



83.5066, 80.3894, 94.3357



81.4600, 76.9455, 91.6513



83.9017, 94.2923, 106.5956



18.4373, 18.1582, 20.9200



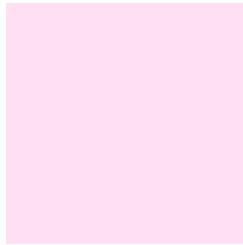
24.2328, 12.1824, 15.1424



2.4144, 1.2081, 1.7636

Previews

White Background



This preview shows how the XYZ color 83.5049, 80.3862, 94.3340 looks on a white background.

Color Contrast Check

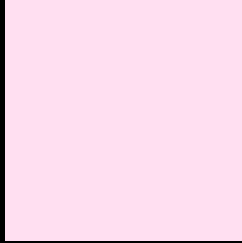
Large Text (above 18pt) WCAG AA × Fail

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 83.5049, 80.3862, 94.3340 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

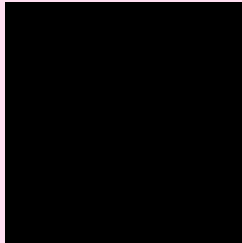
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 83.5049, 80.3862, 94.3340

Background



This preview shows how black text looks on a background with the XYZ color 83.5049, 80.3862, 94.3340.



This preview shows how white text looks on a background with the XYZ color 83.5049, 80.3862,

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

83.5049, 80.3862, 94.3340

Protanopia

78.0570, 80.3420, 97.7797

Deuteranopia

82.2267, 80.5253, 94.4282



Tritanopia

83.5049, 80.3862, 94.3340

Trichromacy



Original Color

83.5049, 80.3862, 94.3340

Protanomaly

79.7334, 79.9951, 96.8261

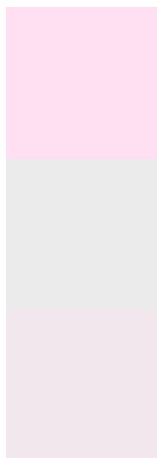
Deuteranomaly

82.6777, 80.3576, 94.3721

Tritanomaly

83.5049, 80.3862, 94.3340

Monochromacy



Original Color

83.5049, 80.3862, 94.3340

Achromatopsia

78.9647, 83.0770, 90.4708

Achromatomaly

80.4799, 82.1435, 91.7343

CSS Examples

Text

The CSS property to change the color of the text to XYZ 83.5049, 80.3862, 94.3340 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, 223, 241)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 241)  
}
```

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, 223, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 241) }
```

Border

The CSS property to change the border of an element to XYZ 83.5049, 80.3862, 94.3340 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, 223, 241) }
```


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

```
.border{ border-color:rgb(255, 223, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 241);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 83.5049, 80.3862, 94.3340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 241) }
```

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

```
.background{ background-color: rgb(255,  
223, 241) }
```

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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