

Converting Colors

XYZ(87.4632, 93.7415, 81.8807)

Have a look what the booklet for
XYZ(87.4632, 93.7415, 81.8807)
contains.

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Color

**XYZ(87.4348, 93.8545,
81.9140)**

Conversions

Conversions Part 1

Format	Color
Hex	FDF9DD
RGB	253, 249, 221
RGB Percent	99%, 98%, 87%
CMY	0.0078, 0.0235, 0.1333
CMYK	0.00, 0.02, 0.13, 0.01
HSL	53°, 89%, 93%
HSV	53°, 13%, 99%
XYZ	87.4348, 93.8545, 81.9140
YIQ	247.0040, 11.3720, -7.8600

Conversions

Conversions Part 2

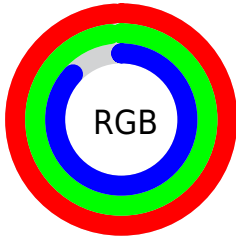
Format	Color
R _Y B	226, 253, 221
Decimal	16644573
CIE Lab	97.57, -3.26, 13.92
CIE LCh	98, 14.295, 103.189
Yxy	93.8545, 0.3322, 0.3566
Android (android.graphics.Color)	4294834653 (0xFFFD9DD)
YUV	247.0040, -12.8200, 5.2585
Hunter-Lab	96.8785, -8.4376, 17.6833

Details

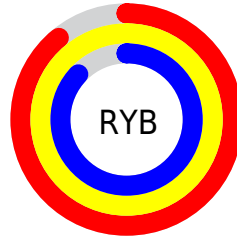
The XYZ color **87.4348, 93.8545, 81.9140** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **74.4733, 76.3128, 103.7338**, and the grayscale version is **88.5080, 93.1173, 101.4048**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.7178, 52.6289, 43.6671** is the 20% darker color. If you saturate the color by 10%, you get **83.3478, 90.6739, 65.1557**, and if you desaturate by 10%, it is **92.0514, 97.2794, 101.3571**.

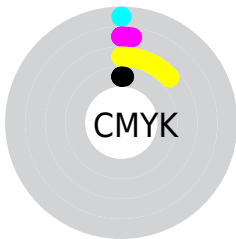
Distribution



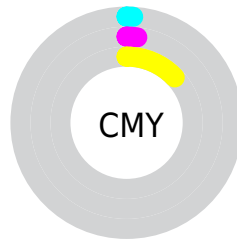
- Red (99%)
- Green (98%)
- Blue (87%)



- Red (89%)
- Yellow (99%)
- Blue (87%)



- Cyan (0%)
- Magenta (2%)
- Yellow (13%)
- Black (1%)





- Cyan (1%)
- Magenta (2%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 87.4348, 93.8545, 81.9140 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 87.4348, 93.8545, 81.9140 by changing the saturation by 10% instead.


 87.4348, 93.8545,
81.9140

 87.4348, 93.8545,
81.9140


508.0137,
540.4913, 521.2359

 66.1843, 71.1819,
60.7592


142.6666,
152.6811, 137.8890

 48.6903, 52.4907,
43.6016


177.3786,
189.6039, 173.5463

 34.5874, 37.3963,
30.0225


217.3085,
232.0456, 214.8749

 23.5102, 25.5145,
19.6035

262.8216,
280.3906, 262.2933

 15.0935, 16.4608,
11.9259

314.2833,
335.0233, 316.2201

 8.9718, 9.8508,
6.5713

372.0590,

 4.7797, 5.3002,

396.3280, 377.0737

3.1212

436.5140,
464.6892, 445.2728

■ 2.1520, 2.4244,
1.1568

■ 0.7173, 0.8384,
0.0000

■ 87.4348, 93.8545,
81.9140

■ 87.4348, 93.8545,
81.9140

■ 83.3478, 90.6739,
65.1557

■ 92.0514, 97.2794,
101.3571

■ 79.7599, 87.7160,
50.9568

■ 94.3183, 99.6228,
108.8658

■ 76.6494, 84.9750,
39.1911

■ 73.9895, 82.4402,
29.7191

■ 71.7511, 80.0997,
22.3871

■ 69.9014, 77.9403,
17.0228

■ 68.4024, 75.9466,
13.4271

■ 67.2084, 74.1003,
11.3589

■ 66.4754, 72.8169,
10.5514

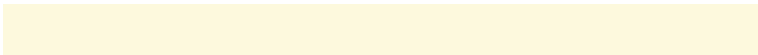
Harmonies

Analogous

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



91.4851, 93.8545, 82.2304



87.4348, 93.8545, 81.9140



83.9638, 93.8545, 86.7274

Triad

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



87.4348, 93.8545, 81.9140



83.6288, 93.8545, 118.2865



96.8974, 93.8545, 108.8019

Complementary

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



87.4348, 93.8545, 81.9140



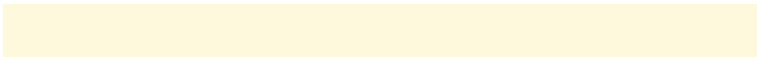
74.4733, 76.3128, 103.7338

Split Complementary

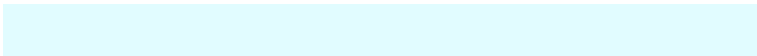
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.6617, 93.8545, 119.3927



87.4348, 93.8545, 81.9140



86.9648, 93.8545, 125.1470

Square

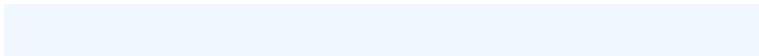
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



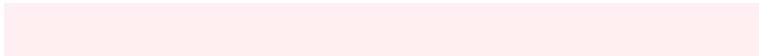
87.4348, 93.8545, 81.9140



81.8118, 93.8545, 107.3833



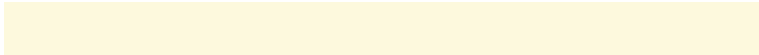
91.0007, 93.8545, 125.5665



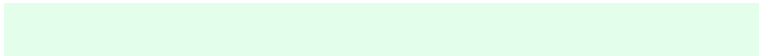
97.0325, 93.8545, 97.1700

Rectangle

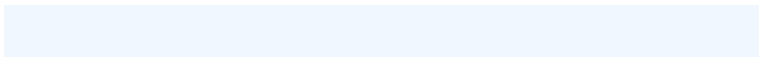
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4348, 93.8545, 81.9140



82.4117, 93.8545, 92.4258



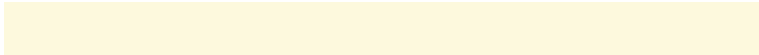
91.0007, 93.8545, 125.5665



96.3636, 93.8545, 112.6221

Sweetspot

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



87.4373, 93.8586, 81.9160



93.0461, 98.5507, 100.3443



79.9925, 78.0476, 82.2749



19.8371, 21.0365, 21.1443



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

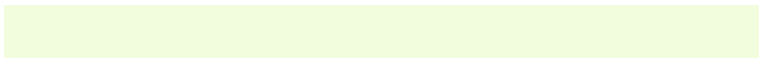
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.4373, 93.8586, 81.9160



87.9875, 94.7680, 79.1299



84.5441, 94.2196, 82.1382



19.3563, 20.6809, 19.1159



35.4365, 38.8842, 5.6377



3.5022, 3.8899, 0.5662

Inverse Universe

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



74.4733, 76.3128, 103.7338



72.5862, 73.9239, 105.0508



77.1045, 76.0848, 103.5512



17.1857, 17.7430, 22.7689



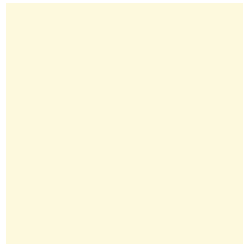
9.7556, 4.4207, 49.7737



1.0047, 0.5401, 4.8646

Previews

White Background



This preview shows how the XYZ color 87.4348, 93.8545, 81.9140 looks on a white background.

Color Contrast Check

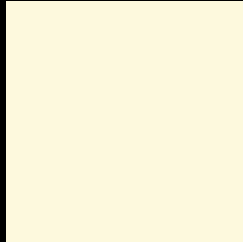
Large Text (above 18pt) WCAG AA × Fail

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 87.4348, 93.8545, 81.9140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

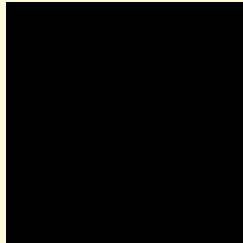
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 87.4348, 93.8545, 81.9140

Background



This preview shows how black text looks on a background with the XYZ color 87.4348, 93.8545, 81.9140.

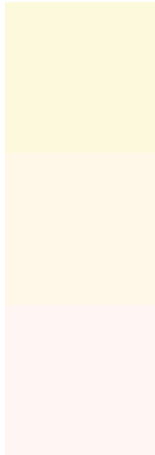


This preview shows how white text looks on a background with the XYZ color 87.4348, 93.8545,

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

87.4348, 93.8545, 81.9140

Protanopia

88.9246, 93.5511, 88.9716

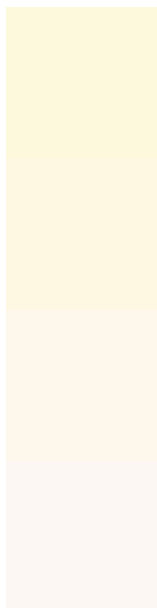
Deuteranopia

90.3734, 93.6426, 98.1057

Tritanopia

91.5138, 94.0142, 107.9310

Trichromacy



Original Color

87.4348, 93.8545, 81.9140

Protanomaly

88.3056, 93.7517, 86.1147

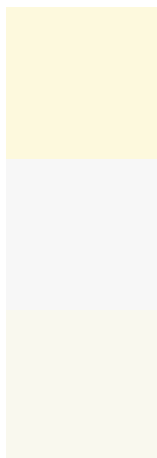
Deuteranomaly

89.1292, 93.5905, 91.9644

Tritanomaly

89.9464, 93.8752, 98.1731

Monochromacy



Original Color

87.4348, 93.8545, 81.9140

Achromatopsia

88.4070, 93.0111, 101.2891

Achromatomaly

88.0669, 93.4476, 94.2845

CSS Examples

Text

The CSS property to change the color of the text to XYZ 87.4348, 93.8545, 81.9140 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(253, 249, 221)` looks like.

```
.text, #text, p{  
    color:rgb(253, 249, 221)  
}
```

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(253, 249, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 249, 221) }
```

Border

The CSS property to change the border of an element to XYZ 87.4348, 93.8545, 81.9140 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(253, 249, 221) }
```


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

```
.border{ border-color:rgb(253, 249, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 249, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 249, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 249, 221);  
box-shadow:4px 4px 4px 4px rgb(253, 249,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 87.4348, 93.8545, 81.9140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 249, 221) }
```

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

```
.background{ background-color: rgb(253,  
249, 221) }
```

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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