

Converting Colors

XYZ(81.5872, 87.2467, 74.8840)

Have a look what the booklet for
XYZ(81.5872, 87.2467, 74.8840)
contains.

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Color

**XYZ(81.6967, 87.4382,
74.8587)**

Conversions

Conversions Part 1

Format	Color
Hex	F7F1D4
RGB	247, 241, 212
RGB Percent	97%, 95%, 83%
CMY	0.0314, 0.0549, 0.1686
CMYK	0.00, 0.02, 0.14, 0.03
HSL	50°, 69%, 90%
HSV	50°, 14%, 97%
XYZ	81.6967, 87.4382, 74.8587
YIQ	239.4880, 12.8850, -7.7470

Conversions

Conversions Part 2

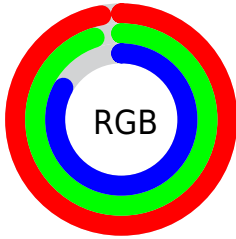
Format	Color
R _Y B	219, 247, 212
Decimal	16249300
CIE Lab	94.92, -2.72, 14.73
CIE LCh	95, 14.979, 100.465
Yxy	87.4382, 0.3348, 0.3584
Android (android.graphics.Color)	4294439380 (0xFFFF7F1D4)
YUV	239.4880, -13.5516, 6.5880
Hunter-Lab	93.5084, -7.6873, 17.9909

Details

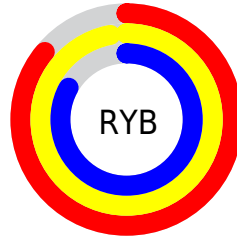
The XYZ color **81.6967, 87.4382, 74.8587** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **69.0110, 70.8538, 98.0352**, and the grayscale version is **82.5217, 86.8193, 94.5462**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6700, 48.0794, 38.8242** is the 20% darker color. If you saturate the color by 10%, you get **77.5792, 83.8135, 59.2720**, and if you desaturate by 10%, it is **86.3247, 91.3195, 92.9692**.

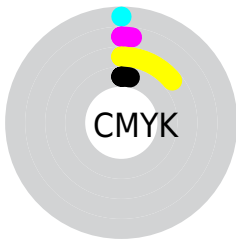
Distribution



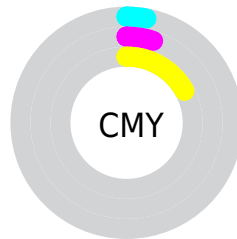
- Red (97%)
- Green (95%)
- Blue (83%)



- Red (86%)
- Yellow (97%)
- Blue (83%)



- Cyan (0%)
- Magenta (2%)
- Yellow (14%)
- Black (3%)





- Cyan (3%)
- Magenta (5%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.6967, 87.4382, 74.8587 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 81.6967, 87.4382, 74.8587 by changing the saturation by 10% instead.


 81.6967, 87.4382,
74.8587

 81.6967, 87.4382,
74.8587


489.2825,
519.6617, 496.6742

 61.4288, 65.8579,
54.9961


134.6866,
143.7748, 127.8576

 44.8252, 48.1571,
39.0000


168.1394,
179.2998, 161.8310

 31.5204, 33.9513,
26.4519


206.7178,
220.2419, 201.3450

 21.1492, 22.8562,
16.9332

250.7873,
266.9854, 246.8183

 13.3462, 14.4873,
10.0254

300.7131,
319.9148, 298.6693

 7.7460, 8.4604,
5.3100

356.8607,

 3.9833, 4.3909,

379.4143, 357.3166

2.3684

419.5954,
445.8685, 423.1787

■ 1.6927, 1.8946,
0.7691

■ 0.4517, 0.5451,
0.0000

■ 81.6967, 87.4382,
74.8587

■ 81.6967, 87.4382,
74.8587

■ 77.5792, 83.8135,
59.2720

■ 86.3247, 91.3195,
92.9692

■ 73.9435, 80.4248,
46.0898

■ 90.4284, 95.0350,
108.1852

■ 70.7682, 77.2662,
35.1914

■ 91.7542, 97.6865,
108.6272

■ 68.0281, 74.3272,
26.4434

■ 92.1681, 98.5143,
108.7651

■ 65.6949, 71.5963,
19.6988

■ 63.7369, 69.0604,
14.7916

■ 62.1175, 66.7046,
11.5296

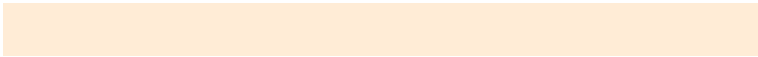
■ 60.7918, 64.5106,
9.6776

■ 60.1162, 63.2906,
9.0478

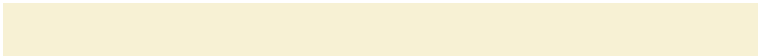
Harmonies

Analogous

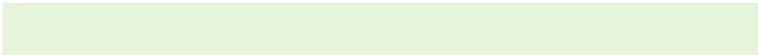
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.7466, 87.4382, 75.6413



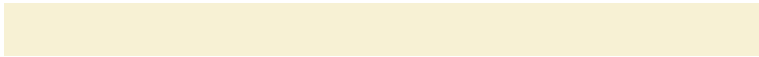
81.6967, 87.4382, 74.8587



78.1407, 87.4382, 79.1806

Triad

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



81.6967, 87.4382, 74.8587



77.3055, 87.4382, 110.4732



90.6880, 87.4382, 102.8828

Complementary

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



81.6967, 87.4382, 74.8587



69.0110, 70.8538, 98.0352

Split Complementary

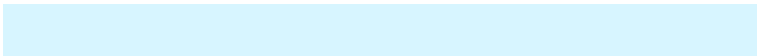
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.2802, 87.4382, 113.2582



81.6967, 87.4382, 74.8587



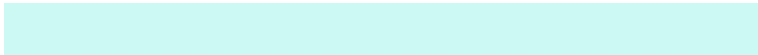
80.5229, 87.4382, 117.8815

Square

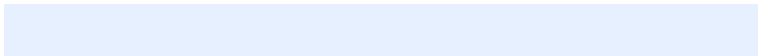
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6967, 87.4382, 74.8587



75.6608, 87.4382, 99.3266



84.5342, 87.4382, 118.9403



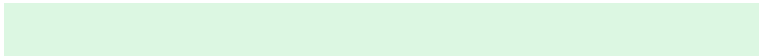
91.0273, 87.4382, 91.1997

Rectangle

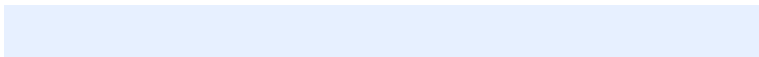
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.6967, 87.4382, 74.8587



76.4951, 87.4382, 84.5986



84.5342, 87.4382, 118.9403



90.0901, 87.4382, 106.6636

Sweetspot

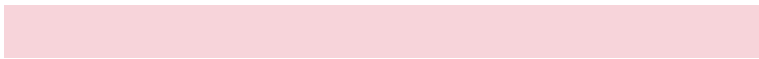
The Sweet Spot groups the original color and five complimentary colors.



81.6991, 87.4421, 74.8606



92.8961, 98.2507, 100.2943



74.6117, 71.9461, 76.5715



19.7991, 20.9603, 21.1316



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

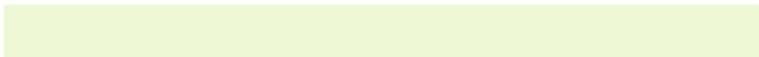
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6991, 87.4421, 74.8606



86.5164, 92.8695, 75.4218



79.7097, 89.0944, 75.2843



17.6590, 18.8022, 17.4960



31.8857, 33.6569, 4.8159



2.8648, 3.0828, 0.4441

Inverse Universe

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



69.0110, 70.8538, 98.0352



70.4517, 71.8673, 104.7663



70.7901, 69.5048, 97.6811



15.8105, 16.3854, 20.8720



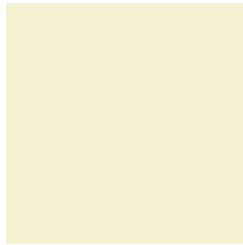
9.3923, 4.5784, 46.9267



0.8894, 0.5302, 4.1457

Previews

White Background



This preview shows how the XYZ color 81.6967, 87.4382, 74.8587 looks on a white background.

Color Contrast Check

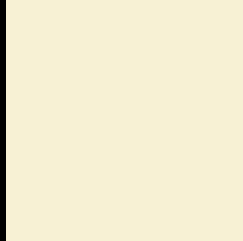
Large Text (above 18pt) WCAG AA × Fail

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 81.6967, 87.4382, 74.8587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

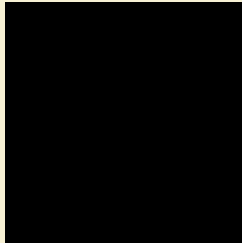
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

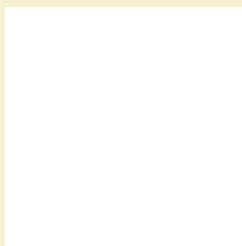
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 81.6967, 87.4382, 74.8587

Background



This preview shows how black text looks on a background with the XYZ color 81.6967, 87.4382, 74.8587.

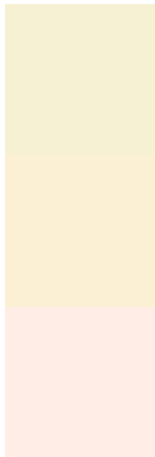


This preview shows how white text looks on a background with the XYZ color 81.6967, 87.4382, 74.8587.

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

81.6967, 87.4382, 74.8587

Protanopia

82.7016, 87.5326, 74.1646

Deuteranopia

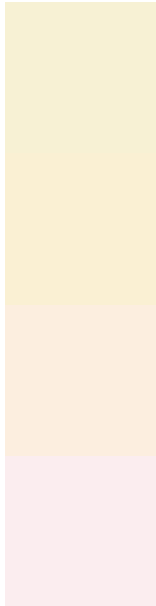
85.8071, 87.5415, 87.2376



Tritanopia

88.1057, 87.4551, 106.0028

Trichromacy



Original Color

81.6967, 87.4382, 74.8587

Protanomaly

82.3423, 87.3473, 74.1478

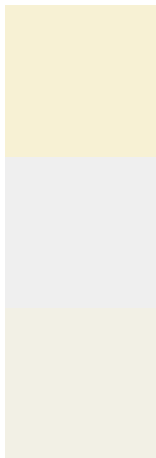
Deuteranomaly

84.0387, 87.1722, 82.2086

Tritanomaly

85.6478, 87.3096, 93.9997

Monochromacy



Original Color

81.6967, 87.4382, 74.8587

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.9209, 86.8546, 86.5757

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6967, 87.4382, 74.8587 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(247, 241, 212) looks like.

```
.text, #text, p{  
    color:rgb(247, 241, 212)  
}
```

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(247, 241, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 241, 212) }
```

Border

The CSS property to change the border of an element to XYZ 81.6967, 87.4382, 74.8587 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(247, 241, 212) }
```


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

```
.border{ border-color:rgb(247, 241, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 241, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 241, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 241, 212);  
box-shadow:4px 4px 4px 4px rgb(247, 241,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6967, 87.4382, 74.8587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 241, 212) }
```

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

```
.background{ background-color: rgb(247,  
241, 212) }
```

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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