

Converting Colors

XYZ(81.0008, 86.9333, 71.5426)

Have a look what the booklet for
XYZ(81.0008, 86.9333, 71.5426)
contains.

| | |
|--|----|
| XYZ(81.0756, 87.1897, 71.5876) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 28 |
| <i>CSS Examples</i> | 31 |

Color

**XYZ(81.0756, 87.1897,
71.5876)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | F7F1CF |
| RGB | 247, 241, 207 |
| RGB Percent | 97%, 95%, 81% |
| CMY | 0.0314, 0.0549, 0.1882 |
| CMYK | 0.00, 0.02, 0.16, 0.03 |
| HSL | 51°, 71%, 89% |
| HSV | 51°, 16%, 97% |
| XYZ | 81.0756, 87.1897, 71.5876 |
| YIQ | 238.9180, 14.4900, -9.3020 |

Conversions

Conversions Part 2

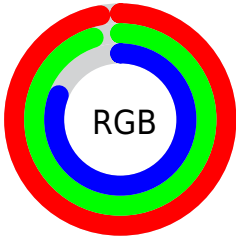
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 214, 247, 207 |
| Decimal | 16249295 |
| CIE _{Lab} | 94.82, -3.48, 17.16 |
| CIE _{LCh} | 95, 17.506, 101.450 |
| Yxy | 87.1897, 0.3380, 0.3635 |
| Android (android.graphics.Color) | 4294439375 (0xFFFF7F1CF) |
| YUV | 238.9180, -15.7356, 7.0879 |
| Hunter-Lab | 93.3754, -8.4198, 19.9073 |

Details

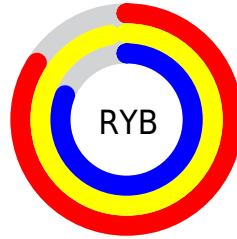
The XYZ color **81.0756, 87.1897, 71.5876** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **66.3148, 67.5681, 97.5433**, and the grayscale version is **82.0929, 86.3682, 94.0549**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.3339, 47.9450, 37.0546** is the 20% darker color. If you saturate the color by 10%, you get **77.2051, 83.9087, 56.5465**, and if you desaturate by 10%, it is **85.4455, 90.7119, 89.1279**.

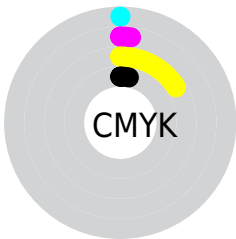
Distribution



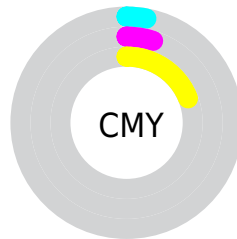
- Red (97%)
- Green (95%)
- Blue (81%)



- Red (84%)
- Yellow (97%)
- Blue (81%)



- Cyan (0%)
- Magenta (2%)
- Yellow (16%)
- Black (3%)



- Cyan (3%)
- Magenta (5%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.0756, 87.1897, 71.5876 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 81.0756, 87.1897, 71.5876 by changing the saturation by 10% instead.

81.0756, 87.1897,
71.5876

81.0756, 87.1897,
71.5876

487.2318,
518.8460, 485.0438

60.9154, 65.6522,
52.3371

133.8195,
143.4285, 123.1723

44.4091, 47.9901,
36.8897

167.1339,
178.8986, 156.3435

31.1916, 33.8191,
24.8270

205.5637,
219.7817, 194.9921

20.8973, 22.7546,
15.7304

249.4744,
266.4622, 239.5366

13.1610, 14.4124,
9.1813

299.2311,
319.3245, 290.3954

7.6173, 8.4081,
4.7612

355.1994,

3.9008, 4.3572,

378.7530, 347.9872

2.0516

417.7445,
445.1320, 412.7305

■ 1.6462, 1.8753,
0.5867

■ 0.4222, 0.5335,
0.0000

■ 81.0756, 87.1897,
71.5876

■ 81.0756, 87.1897,
71.5876

■ 77.2051, 83.9087,
56.5465

■ 85.4455, 90.7119,
89.1279

■ 73.8050, 80.8484,
43.8836

■ 90.1018, 94.3816,
108.0763

■ 70.8539, 78.0029,
33.4763

■ 91.2538, 96.6856,
108.4603

■ 68.3258, 75.3616,
25.1887

■ 92.1682, 98.5144,
108.7651

■ 66.1920, 72.9129,
18.8704

■ 64.4201, 70.6434,
14.3509

■ 62.9721, 68.5379,
11.4312

■ 61.8008, 66.5772,
9.8634

■ 61.3999, 65.8578,
9.4757

Harmonies

Analogous

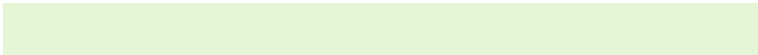
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.8038, 87.1897, 72.2828



81.0756, 87.1897, 71.5876



76.9849, 87.1897, 76.6886

Triad

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



81.0756, 87.1897, 71.5876



76.2278, 87.1897, 113.2771



91.8128, 87.1897, 103.4805

Complementary

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



81.0756, 87.1897, 71.5876



66.3148, 67.5681, 97.5433

Split Complementary

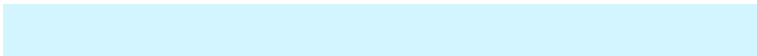
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.0501, 87.1897, 115.8673



81.0756, 87.1897, 71.5876



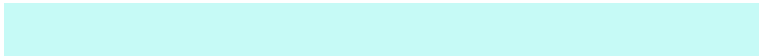
80.0062, 87.1897, 121.8845

Square

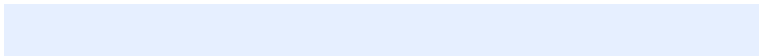
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0756, 87.1897, 71.5876



74.2581, 87.1897, 100.2096



84.6931, 87.1897, 122.8751



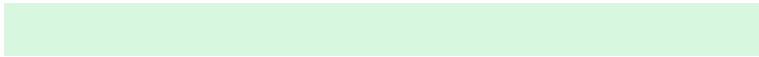
92.1259, 87.1897, 89.8484

Rectangle

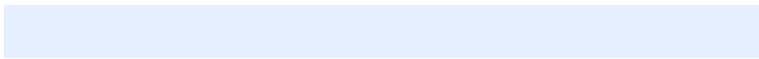
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.0756, 87.1897, 71.5876



75.1226, 87.1897, 83.0017



84.6931, 87.1897, 122.8751



91.1351, 87.1897, 107.9600

Sweetspot

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



81.0779, 87.1936, 71.5895



92.4580, 97.9926, 98.2428



72.6819, 69.2051, 72.4791



19.7143, 20.9152, 20.7196



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.



81.0779, 87.1936, 71.5895



85.9345, 92.7170, 72.1104



78.1285, 88.3511, 71.9683



17.6907, 18.8655, 17.5066



32.5557, 34.9969, 5.0392



2.9176, 3.1884, 0.4616

Inverse Universe

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



66.3148, 67.5681, 97.5433



67.6555, 68.4186, 104.2480



68.9212, 66.7144, 97.2412



15.7816, 16.3275, 20.8623



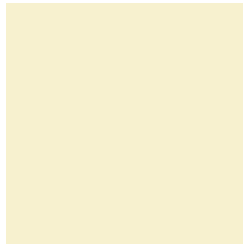
9.2918, 4.3773, 46.8932



0.8758, 0.5030, 4.1412

Previews

White Background



This preview shows how the XYZ color 81.0756, 87.1897, 71.5876 looks on a white background.

Color Contrast Check

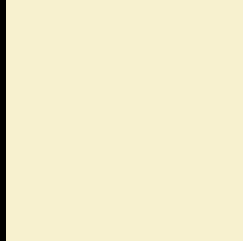
Large Text (above 18pt) WCAG AA × Fail

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 81.0756, 87.1897, 71.5876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

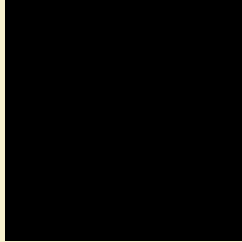
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.0756, 87.1897, 71.5876

Background



This preview shows how black text looks on a background with the XYZ color 81.0756, 87.1897, 71.5876.



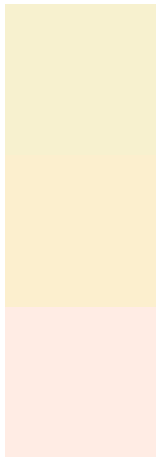
This preview shows how white text looks on a background with the XYZ color 81.0756, 87.1897,

71.5876.

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

81.0756, 87.1897, 71.5876

Protanopia

82.1520, 86.8847, 70.8331

Deuteranopia

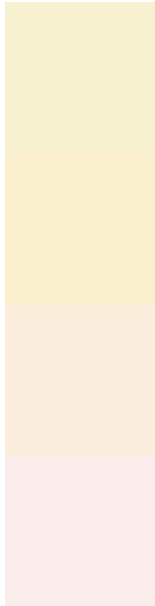
85.2390, 86.8523, 85.6704



Tritanopia

87.6605, 86.8201, 105.0663

Trichromacy



Original Color

81.0756, 87.1897, 71.5876

Protanomaly

81.7250, 87.1004, 70.8972

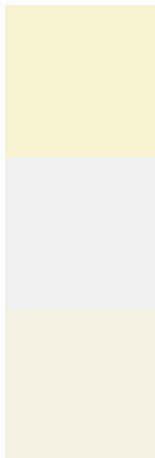
Deuteranomaly

83.6377, 87.0118, 80.0969

Tritanomaly

85.2082, 87.1337, 91.6844

Monochromacy



Original Color

81.0756, 87.1897, 71.5876

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.6432, 86.7435, 85.1132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.0756, 87.1897, 71.5876 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, 207)` looks like.

```
.text, #text, p{  
    color:rgb(247, 241, 207)  
}
```

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, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 241, 207) }
```

Border

The CSS property to change the border of an element to XYZ 81.0756, 87.1897, 71.5876 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, 207) }
```


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

```
.border{ border-color:rgb(247, 241, 207) }
```

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, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 241, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 241, 207);  
box-shadow:4px 4px 4px 4px rgb(247, 241,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 81.0756, 87.1897, 71.5876 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, 207) }
```

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

```
.background{ background-color: rgb(247,  
241, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor