

Converting Colors

XYZ(81.3211, 86.9889, 73.1642)

Have a look what the booklet for
XYZ(81.3211, 86.9889, 73.1642)
contains.

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Color

**XYZ(81.1507, 86.7475,
73.4396)**

Conversions

Conversions Part 1

Format	Color
Hex	F7F0D2
RGB	247, 240, 210
RGB Percent	97%, 94%, 82%
CMY	0.0314, 0.0588, 0.1765
CMYK	0.00, 0.03, 0.15, 0.03
HSL	49°, 70%, 90%
HSV	49°, 15%, 97%
XYZ	81.1507, 86.7475, 73.4396
YIQ	238.6730, 13.8020, -7.8460

Conversions

Conversions Part 2

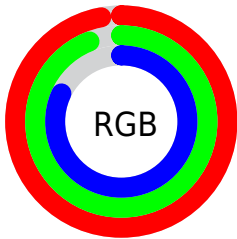
Format	Color
RYB	219, 247, 210
Decimal	16249042
CIELab	94.63, -2.52, 15.35
CIELCh	95, 15.553, 99.324
Yxy	86.7475, 0.3363, 0.3594
Android (android.graphics.Color)	4294439122 (0xFFFF7F0D2)
YUV	238.6730, -14.1358, 7.3028
Hunter-Lab	93.1383, -7.4664, 18.4467

Details

The XYZ color **81.1507, 86.7475, 73.4396** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.1794, 70.0412, 97.9222**, and the grayscale version is **81.8907, 86.1554, 93.8232**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2921, 47.5947, 37.8626** is the 20% darker color. If you saturate the color by 10%, you get **76.9517, 82.8995, 58.0116**, and if you desaturate by 10%, it is **85.8648, 90.8640, 91.3846**.

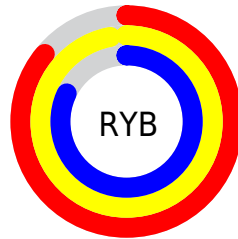
Distribution



Red (97%)

Green (94%)

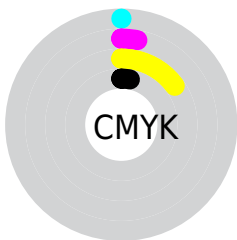
Blue (82%)



Red (86%)

Yellow (97%)

Blue (82%)

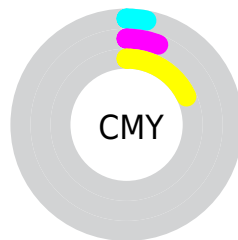


Cyan (0%)

Magenta (3%)

Yellow (15%)

Black (3%)



Cyan (3%)

Magenta (6%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 81.1507, 86.7475, 73.4396 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 81.1507, 86.7475, 73.4396 by changing the saturation by 10% instead.

81.1507, 86.7475,
73.4396

81.1507, 86.7475,
73.4396

487.4800,
517.3928, 491.6486

60.9774, 65.2863,
53.8415

133.9244,
142.8121, 125.8278

44.4594, 47.6932,
38.0826

167.2555,
178.1844, 159.4549

31.2313, 33.5840,
25.7445

205.7034,
218.9623, 198.5955

20.9277, 22.5742,
16.4085

249.6332,
265.5305, 243.6680

13.1834, 14.2794,
9.6562

299.4105,
318.2732, 295.0910

7.6328, 8.3153,
5.0690

355.4004,

3.9107, 4.2973,

377.5749, 353.2831

2.2284

417.9685,
443.8200, 418.6628

■ 1.6517, 1.8412,
0.6907

■ 0.4258, 0.5127,
0.0000

■ 81.1507, 86.7475,
73.4396

■ 81.1507, 86.7475,
73.4396

■ 76.9517, 82.8995,
58.0116

■ 85.8648, 90.8640,
91.3846

■ 73.2388, 79.2992,
44.9805

■ 90.3905, 94.9592,
108.1726

■ 69.9907, 75.9405,
34.2250

■ 91.8545, 97.8872,
108.6606

■ 67.1816, 72.8128,
25.6106

■ 92.1680, 98.5143,
108.7651

■ 64.7830, 69.9042,
18.9888

■ 62.7629, 67.2015,
14.1921

■ 61.0839, 64.6892,
11.0254

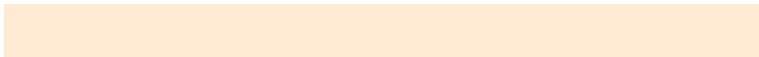
■ 59.7003, 62.3486,
9.2488

■ 59.0832, 61.2246,
8.7035

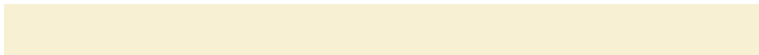
Harmonies

Analogous

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



85.3322, 86.7475, 74.4442



81.1507, 86.7475, 73.4396



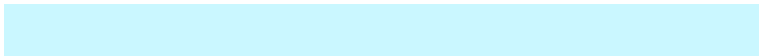
77.4435, 86.7475, 77.6842

Triad

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



81.1507, 86.7475, 73.4396



76.3664, 86.7475, 109.8642



90.2313, 86.7475, 102.8479

Complementary

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



81.1507, 86.7475, 73.4396



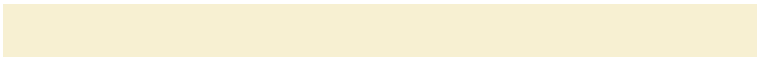
68.1794, 70.0412, 97.9222

Split Complementary

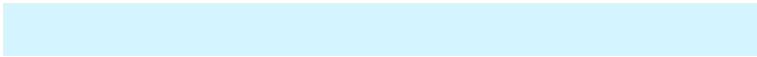
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.6696, 86.7475, 113.4770



81.1507, 86.7475, 73.4396



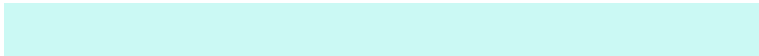
79.6352, 86.7475, 117.7603

Square

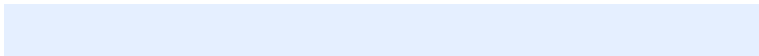
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.1507, 86.7475, 73.4396



74.7436, 86.7475, 98.2464



83.7649, 86.7475, 119.1357



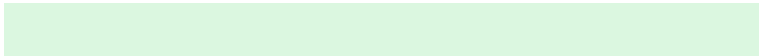
90.6706, 86.7475, 90.7591

Rectangle

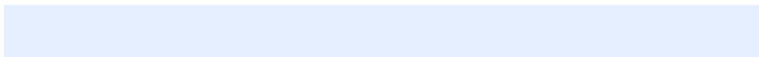
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.1507, 86.7475, 73.4396



75.7053, 86.7475, 83.1496



83.7649, 86.7475, 119.1357



89.5858, 86.7475, 106.7376

Sweetspot

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



81.1530, 86.7513, 73.4415



92.8388, 98.1362, 100.2753



73.9818, 70.8991, 75.7055



19.7845, 20.9313, 21.1268



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.



81.1530, 86.7513, 73.4415



85.8150, 91.9764, 73.6168



79.4533, 88.9912, 73.9634



17.6328, 18.7498, 17.4873



31.3461, 32.5778, 4.6360



2.8221, 2.9974, 0.4298

Inverse Universe

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



68.1794, 70.0412, 97.9222



69.3865, 70.8173, 104.6198



69.6854, 68.1977, 97.4869



15.8346, 16.4336, 20.8800



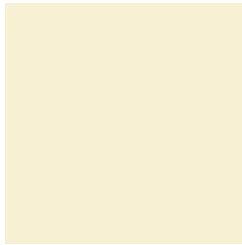
9.4856, 4.7649, 46.9578



0.9010, 0.5535, 4.1496

Previews

White Background



This preview shows how the XYZ color 81.1507, 86.7475, 73.4396 looks on a white background.

Color Contrast Check

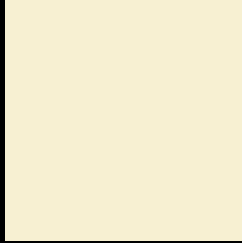
Large Text (above 18pt) WCAG AA × Fail

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 81.1507, 86.7475, 73.4396 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

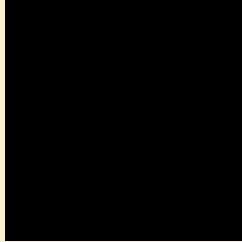
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.1507, 86.7475, 73.4396

Background



This preview shows how black text looks on a background with the XYZ color 81.1507, 86.7475, 73.4396.



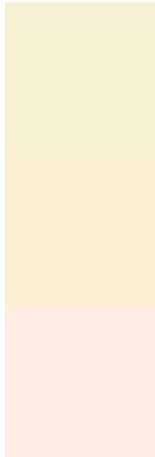
This preview shows how white text looks on a background with the XYZ color 81.1507, 86.7475,

73.4396.

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

81.1507, 86.7475, 73.4396

Protanopia

82.1588, 86.8457, 72.7543

Deuteranopia

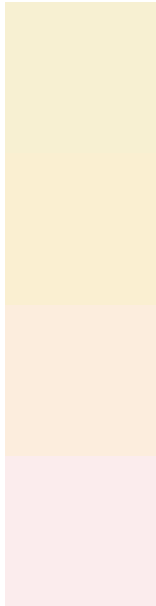
85.2390, 86.8523, 85.6704



Tritanopia

87.5015, 86.7566, 104.2293

Trichromacy



Original Color

81.1507, 86.7475, 73.4396

Protanomaly

81.7995, 86.6604, 72.7374

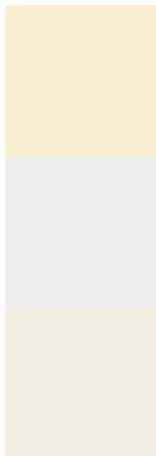
Deuteranomaly

83.4802, 86.4843, 80.6999

Tritanomaly

85.0652, 86.6146, 92.3556

Monochromacy



Original Color

81.1507, 86.7475, 73.4396

Achromatopsia

82.0431, 86.3157, 93.9978

Achromatomaly

81.4880, 86.2117, 85.7444

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.1507, 86.7475, 73.4396 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, 240, 210)` looks like.

```
.text, #text, p{  
    color:rgb(247, 240, 210)  
}
```

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, 240, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 240, 210) }
```

Border

The CSS property to change the border of an element to XYZ 81.1507, 86.7475, 73.4396 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, 240, 210) }
```


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

```
.border{ border-color:rgb(247, 240, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 240, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 240, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 240, 210);  
box-shadow:4px 4px 4px 4px rgb(247, 240,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 81.1507, 86.7475, 73.4396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 240, 210) }
```

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

```
.background{ background-color: rgb(247,  
240, 210) }
```

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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