

Converting Colors

XYZ(80.9710, 85.3974, 71.2472)

Have a look what the booklet for
XYZ(80.9710, 85.3974, 71.2472)
contains.

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Color

**XYZ(80.9710, 85.3974,
71.2472)**

Conversions

Conversions Part 1

Format	Color
Hex	FAEDCF
RGB	250, 237, 207
RGB Percent	98%, 93%, 81%
CMY	0.0196, 0.0706, 0.1882
CMYK	0.00, 0.05, 0.17, 0.02
HSL	42°, 81%, 90%
HSV	42°, 17%, 98%
XYZ	80.9710, 85.3974, 71.2472
YIQ	237.4670, 17.3780, -6.5740

Conversions

Conversions Part 2

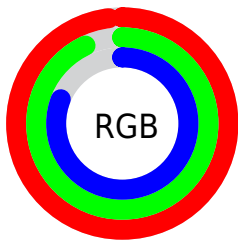
Format	Color
R _Y B	226, 250, 207
Decimal	16444879
CIE Lab	94.05, -0.38, 16.12
CIE LCh	94, 16.120, 91.363
Yxy	85.3974, 0.3408, 0.3594
Android (android.graphics.Color)	4294634959 (0xFFFAEDCF)
YUV	237.4670, -15.0202, 10.9914
Hunter-Lab	92.4107, -5.3156, 18.9758

Details

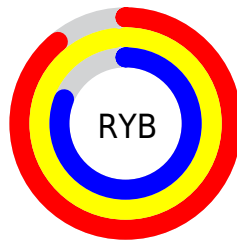
The XYZ color **80.9710, 85.3974, 71.2472** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **68.5803, 71.3523, 100.6008**, and the grayscale version is **80.9610, 85.1773, 92.7580**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.2660, 46.6851, 36.8151** is the 20% darker color. If you saturate the color by 10%, you get **76.0126, 79.9902, 55.6903**, and if you desaturate by 10%, it is **86.5102, 91.1901, 89.3873**.

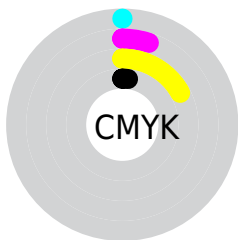
Distribution



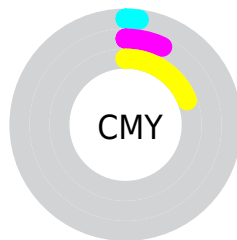
- Red (98%)
- Green (93%)
- Blue (81%)



- Red (89%)
- Yellow (98%)
- Blue (81%)



- Cyan (0%)
- Magenta (5%)
- Yellow (17%)
- Black (2%)





- Cyan (2%)
- Magenta (7%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.9710, 85.3974, 71.2472 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 80.9710, 85.3974, 71.2472 by changing the saturation by 10% instead.


 80.9710, 85.3974,
71.2472

 80.9710, 85.3974,
71.2472


486.8860,
512.9421, 483.8240

 60.8289, 64.1698,
52.0609

133.6734,
140.9283, 122.6834

 44.3391, 46.7882,
36.6710


166.9645,
176.0003, 155.7703

 31.1363, 32.8683,
24.6591


205.3692,
216.4560, 194.3279

 20.8550, 22.0255,
15.6066

249.2530,
262.6796, 238.7746

 13.1299, 13.8757,
9.0948

298.9813,
315.0557, 289.5291

 7.5957, 8.0342,
4.7054

354.9193,

 3.8869, 4.1169,

373.9685, 347.0098

2.0198

417.4324,
439.8025, 411.6352

■ 1.6384, 1.7391,
0.5674

■ 0.4172, 0.4488,
0.0000

■ 80.9710, 85.3974,
71.2472

■ 80.9710, 85.3974,
71.2472

■ 76.0126, 79.9902,
55.6903

■ 86.5102, 91.1901,
89.3873

■ 71.6042, 74.9459,
42.5911

■ 92.3216, 97.2381,
108.5107

■ 67.7225, 70.2560,
31.8218

■ 93.2346, 99.0641,
108.8150

■ 64.3395, 65.9076,
23.2408

■ 61.4242, 61.8865,
16.6908

■ 58.9416, 58.1765,
11.9937

■ 56.8508, 54.7595,
8.9399

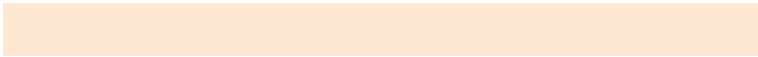
■ 55.0994, 51.6123,
7.2592

■ 54.6476, 50.7702,
6.9194

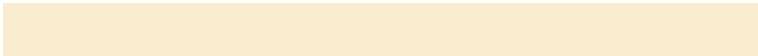
Harmonies

Analogous

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



85.1983, 85.3974, 73.6965



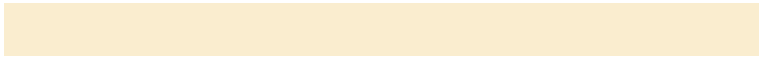
80.9710, 85.3974, 71.2472



76.9368, 85.3974, 74.1803

Triad

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



80.9710, 85.3974, 71.2472



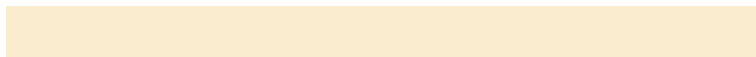
74.3051, 85.3974, 105.8704



88.6488, 85.3974, 104.8094

Complementary

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



80.9710, 85.3974, 71.2472



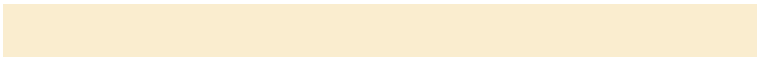
68.5803, 71.3523, 100.6008

Split Complementary

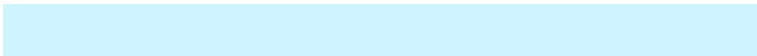
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.5509, 85.3974, 114.7220



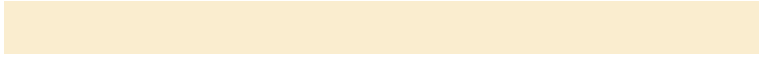
80.9710, 85.3974, 71.2472



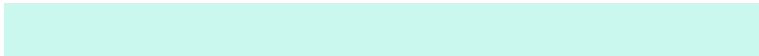
77.2662, 85.3974, 115.3716

Square

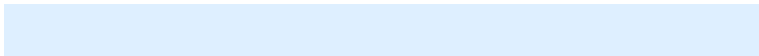
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.9710, 85.3974, 71.2472



73.1732, 85.3974, 93.5481



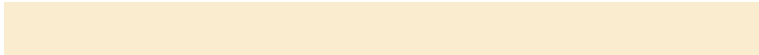
81.3647, 85.3974, 118.7435



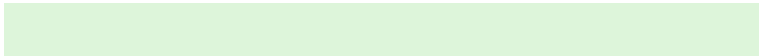
89.7242, 85.3974, 92.4207

Rectangle

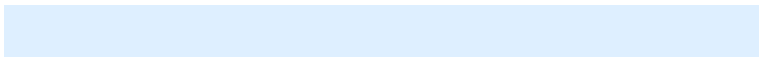
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.9710, 85.3974, 71.2472



74.8743, 85.3974, 78.9577



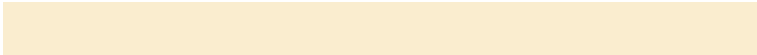
81.3647, 85.3974, 118.7435



87.8042, 85.3974, 108.5786

Sweetspot

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



80.9733, 85.4012, 71.2490



91.8477, 96.7720, 98.0394



74.7382, 70.1508, 77.7415



19.5656, 20.6179, 20.6700



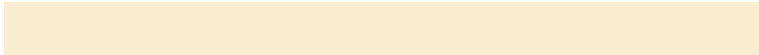
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



80.9733, 85.4012, 71.2490



82.6486, 87.1242, 67.9969



82.1068, 91.7747, 72.4195



18.2587, 19.2533, 18.2163



29.1191, 27.1948, 3.7144



2.7900, 2.7049, 0.3750

Inverse Universe

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



68.5803, 71.3523, 100.6008



67.2349, 69.6526, 104.5084



67.5593, 65.9584, 99.6135



16.7107, 17.4982, 21.8820



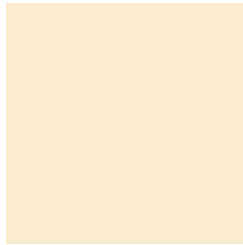
10.6172, 6.5899, 48.6859



1.0721, 0.7879, 4.5388

Previews

White Background



This preview shows how the XYZ color 80.9710, 85.3974, 71.2472 looks on a white background.

Color Contrast Check

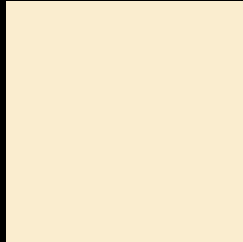
Large Text (above 18pt) WCAG AA × Fail

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 80.9710, 85.3974, 71.2472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

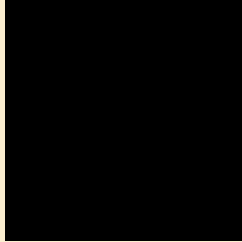
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 80.9710, 85.3974, 71.2472

Background



This preview shows how black text looks on a background with the XYZ color 80.9710, 85.3974, 71.2472.

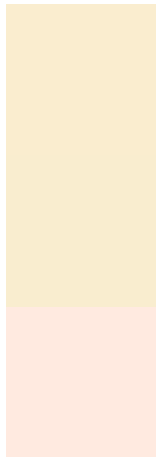


This preview shows how white text looks on a background with the XYZ color 80.9710, 85.3974,

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

80.9710, 85.3974, 71.2472

Protanopia

80.6136, 85.2131, 71.2305

Deuteranopia

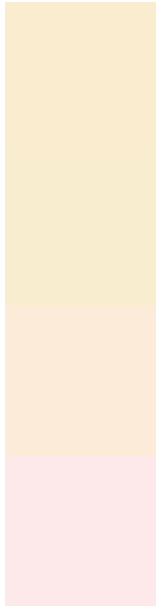
84.1174, 85.4875, 82.5883



Tritanopia

86.9148, 85.2514, 101.4968

Trichromacy



Original Color

80.9710, 85.3974, 71.2472

Protanomaly

80.6136, 85.2131, 71.2305

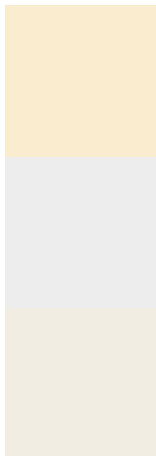
Deuteranomaly

82.8712, 85.3613, 78.4383

Tritanomaly

84.4982, 85.1010, 89.8145

Monochromacy



Original Color

80.9710, 85.3974, 71.2472

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.6296, 84.9366, 84.0963

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.9710, 85.3974, 71.2472 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(250, 237, 207)` looks like.

```
.text, #text, p{  
    color:rgb(250, 237, 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(250, 237, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 237, 207) }
```

Border

The CSS property to change the border of an element to XYZ 80.9710, 85.3974, 71.2472 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(250, 237, 207) }
```


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

```
.border{ border-color:rgb(250, 237, 207) }
```

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

Here you see how a box with a 4 pixel rgb(250, 237, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 237, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 237, 207);  
box-shadow:4px 4px 4px 4px rgb(250, 237,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 80.9710, 85.3974, 71.2472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 237, 207) }
```

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

```
.background{ background-color: rgb(250,  
237, 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](#).

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