

Converting Colors

XYZ(81.9541, 84.7559, 70.7843)

Have a look what the booklet for
XYZ(81.9541, 84.7559, 70.7843)
contains.

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Color

**XYZ(81.9253, 84.6106,
71.0450)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEACF
RGB	255, 234, 207
RGB Percent	100%, 92%, 81%
CMY	0.0000, 0.0823, 0.1882
CMYK	0.00, 0.08, 0.19, 0.00
HSL	34°, 100%, 91%
HSV	34°, 19%, 100%
XYZ	81.9253, 84.6106, 71.0450
YIQ	237.2010, 21.1830, -3.9450

Conversions

Conversions Part 2

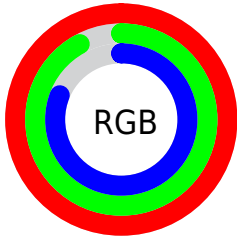
Format	Color
R_{YB}	244, 255, 207
Decimal	16771791
CIE _{Lab}	93.72, 2.93, 15.70
CIE _{LCh}	94, 15.967, 79.416
Yxy	84.6106, 0.3448, 0.3561
Android (android.graphics.Color)	4294961871 (0xFFFEACF)
YUV	237.2010, -14.8891, 15.6097
Hunter-Lab	91.9840, -1.9915, 18.5954

Details

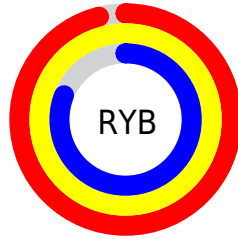
The XYZ color **81.9253, 84.6106, 71.0450** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **71.5248, 75.9700, 105.5017**, and the grayscale version is **80.7525, 84.9579, 92.5191**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.9589, 46.1465, 36.6746** is the 20% darker color. If you saturate the color by 10%, you get **75.9805, 77.3136, 54.9049**, and if you desaturate by 10%, it is **88.5776, 92.5162, 89.9070**.

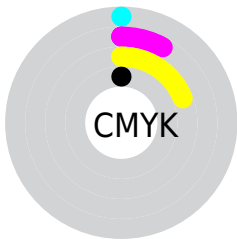
Distribution



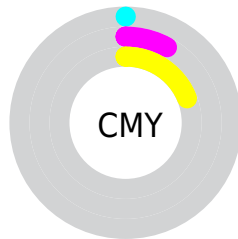
- Red (100%)
- Green (92%)
- Blue (81%)



- Red (96%)
- Yellow (100%)
- Blue (81%)



- Cyan (0%)
- Magenta (8%)
- Yellow (19%)
- Black (0%)




- Cyan (0%)
- Magenta (8%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.9253, 84.6106, 71.0450 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 81.9253, 84.6106, 71.0450 by changing the saturation by 10% instead.


 81.9253, 84.6106,
71.0450

 81.9253, 84.6106,
71.0450


490.0361,
510.3387, 483.0986

 61.6179, 63.5197,
51.8969


135.0056,
139.8290, 122.3929

 44.9784, 46.2618,
36.5412


168.5092,
174.7253, 155.4296

 31.6416, 32.4524,
24.5595


207.1422,
214.9921, 193.9331

 21.2421, 21.7073,
15.5331

251.2700,
261.0139, 238.3217

 13.4146, 13.6420,
9.0436

301.2579,
313.1751, 289.0140

 7.7936, 7.8721,
4.6724

357.4713,

 4.0139, 4.0132,

371.8600, 346.4286

2.0010

420.2756,
437.4531, 410.9839

■ 1.7100, 1.6810,
0.5559

■ 0.4625, 0.4113,
0.0000

■ 81.9253, 84.6106,
71.0450

■ 81.9253, 84.6106,
71.0450

■ 75.9805, 77.3136,
54.9049

■ 88.5776, 92.5162,
89.9070

■ 70.7093, 70.5972,
41.3531

95.0500, 100.0000,
108.9000

■ 66.0840, 64.4472,
30.2527

■ 62.0721, 58.8443,
21.4516

■ 58.6377, 53.7680,
14.7810

■ 55.7404, 49.1953,
10.0481

■ 53.3328, 45.1006,
7.0247

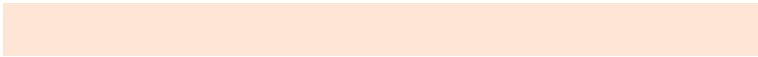
■ 51.3481, 41.4500,
5.3805

■ 51.1326, 41.0452,
5.2275

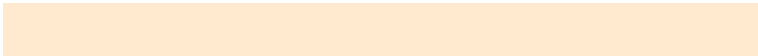
Harmonies

Analogous

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



85.8363, 84.6106, 75.5211



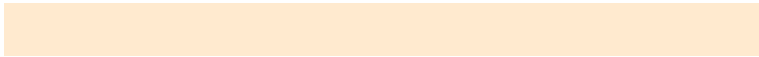
81.9253, 84.6106, 71.0450



77.7423, 84.6106, 71.8298

Triad

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



81.9253, 84.6106, 71.0450



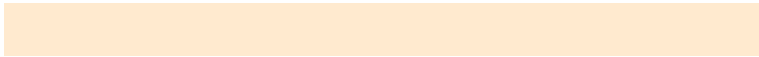
72.9795, 84.6106, 100.1012



86.7660, 84.6106, 108.1518

Complementary

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



81.9253, 84.6106, 71.0450



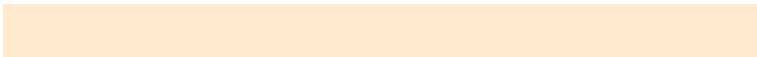
71.5248, 75.9700, 105.5017

Split Complementary

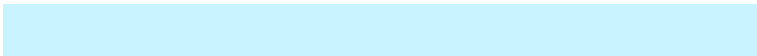
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.1582, 84.6106, 115.9263



81.9253, 84.6106, 71.0450



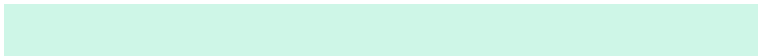
75.2361, 84.6106, 111.0034

Square

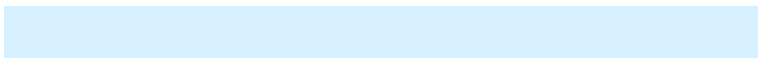
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9253, 84.6106, 71.0450



72.6756, 84.6106, 87.9077



78.9329, 84.6106, 117.0135



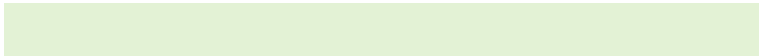
88.6956, 84.6106, 96.4782

Rectangle

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



81.9253, 84.6106, 71.0450



75.3579, 84.6106, 75.2537



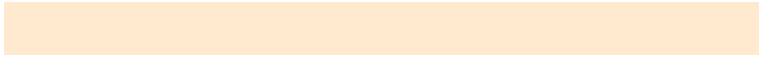
78.9329, 84.6106, 117.0135



85.7035, 84.6106, 111.3499

Sweetspot

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



81.9273, 84.6142, 71.0468



90.5858, 94.8578, 95.7396



77.6404, 71.5214, 83.5499



19.2885, 20.1866, 20.1990



0.0000, 0.0000, 0.0000



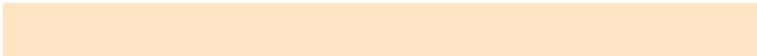
20.3446, 21.4041, 23.3091

Same Dimension

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



81.9273, 84.6142, 71.0468



79.3592, 81.4925, 63.9806



87.3853, 96.8327, 73.1175



18.8573, 19.6828, 18.9496



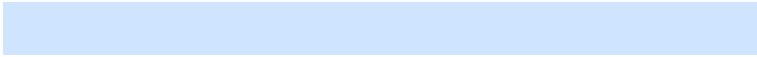
26.8692, 21.7497, 2.7819



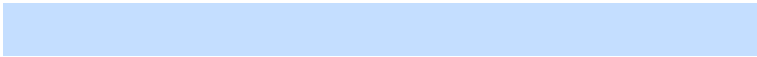
2.7250, 2.3353, 0.3071

Inverse Universe

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



71.5248, 75.9700, 105.5017



67.0281, 71.2468, 104.8270



66.7716, 65.4605, 103.7236



17.6567, 18.6849, 22.9259



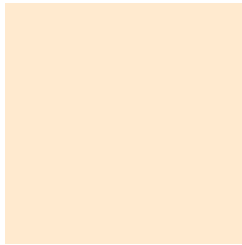
12.5748, 10.0591, 50.7134



1.3308, 1.1923, 4.9733

Previews

White Background



This preview shows how the XYZ color 81.9253, 84.6106, 71.0450 looks on a white background.

Color Contrast Check

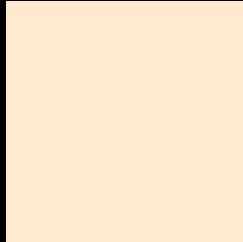
Large Text (above 18pt) WCAG AA × Fail

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 81.9253, 84.6106, 71.0450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

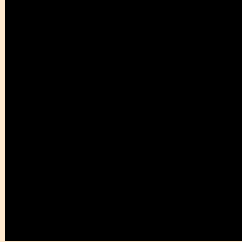
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.9253, 84.6106, 71.0450

Background



This preview shows how black text looks on a background with the XYZ color 81.9253, 84.6106, 71.0450.



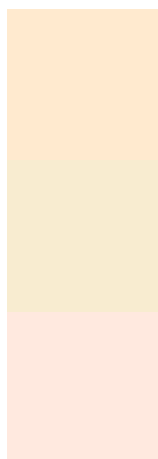
This preview shows how white text looks on a background with the XYZ color 81.9253, 84.6106,

71.0450.

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

81.9253, 84.6106, 71.0450

Protanopia

80.0920, 84.5014, 71.7636

Deuteranopia

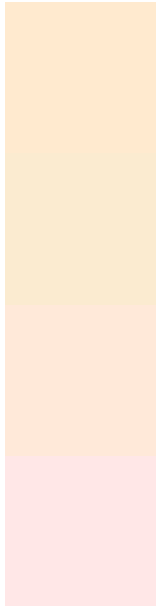
83.6982, 84.8655, 81.7814



Tritanopia

85.8659, 84.3853, 97.3503

Trichromacy



Original Color

81.9253, 84.6106, 71.0450

Protanomaly

80.8772, 84.4800, 71.7181

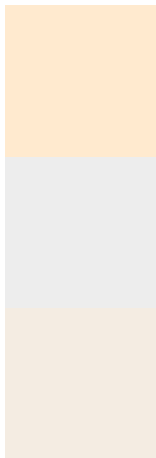
Deuteranomaly

82.9033, 84.5476, 77.5955

Tritanomaly

84.2397, 84.1813, 87.4100

Monochromacy



Original Color

81.9253, 84.6106, 71.0450

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

81.0311, 84.7150, 84.0323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.9253, 84.6106, 71.0450 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(255, 234, 207)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 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(255, 234, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 207) }
```

Border

The CSS property to change the border of an element to XYZ 81.9253, 84.6106, 71.0450 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(255, 234, 207) }
```


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

```
.border{ border-color:rgb(255, 234, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 207);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 81.9253, 84.6106, 71.0450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 207) }
```

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

```
.background{ background-color: rgb(255,  
234, 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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