

Converting Colors

XYZ(112.1628, 100.0000,
71.8734)

Have a look what the booklet for
XYZ(112.1628, 100.0000, 71.8734)
contains.

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Color

**XYZ(81.8034, 84.5619,
70.4031)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEACE
RGB	255, 234, 206
RGB Percent	100%, 92%, 81%
CMY	0.0000, 0.0823, 0.1921
CMYK	0.00, 0.08, 0.19, 0.00
HSL	34°, 100%, 90%
HSV	34°, 19%, 100%
XYZ	81.8034, 84.5619, 70.4031
YIQ	237.0870, 21.5040, -4.2560

Conversions

Conversions Part 2

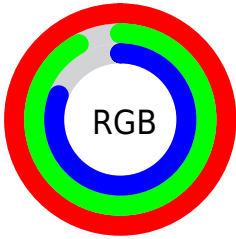
Format	Color
R _Y B	243, 255, 206
Decimal	16771790
CIE Lab	93.69, 2.79, 16.18
CIE LCh	94, 16.421, 80.227
Yxy	84.5619, 0.3455, 0.3572
Android (android.graphics.Color)	4294961870 (0xFFFFEACE)
YUV	237.0870, -15.3259, 15.7097
Hunter-Lab	91.9575, -2.1360, 18.9776

Details

The XYZ color **81.8034, 84.5619, 70.4031** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **70.9720, 75.2778, 105.3972**, and the grayscale version is **80.6678, 84.8688, 92.4221**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8766, 46.1136, 36.2413** is the 20% darker color. If you saturate the color by 10%, you get **75.9387, 77.3942, 54.3847**, and if you desaturate by 10%, it is **88.3667, 92.3216, 89.1359**.

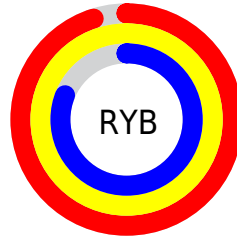
Distribution



Red (100%)

Green (92%)

Blue (81%)



Red (95%)

Yellow (100%)

Blue (81%)

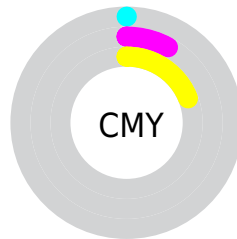


Cyan (0%)

Magenta (8%)

Yellow (19%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.8034, 84.5619, 70.4031 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 81.8034, 84.5619, 70.4031 by changing the saturation by 10% instead.


 81.8034, 84.5619,
70.4031

 81.8034, 84.5619,
70.4031


489.6343,
510.1773, 480.7914

 61.5170, 63.4795,
51.3764


134.8355,
139.7609, 121.4699

 44.8967, 46.2292,
36.1294


168.3120,
174.6463, 154.3471

 31.5770, 32.4267,
24.2437


206.9159,
214.9014, 192.6782

 21.1926, 21.6876,
15.3006

251.0126,
260.9107, 236.8818

 13.3781, 13.6276,
8.8817

300.9675,
313.0585, 287.3764

 7.7682, 7.8621,
4.5683

357.1458,

 3.9976, 4.0068,

371.7293, 344.5805

1.9420

419.9129,
437.3074, 408.9126

■ 1.7007, 1.6774,
0.5193

■ 0.4567, 0.4089,
0.0000

■ 81.8034, 84.5619,
70.4031

■ 81.8034, 84.5619,
70.4031

■ 75.9387, 77.3942,
54.3847

■ 88.3667, 92.3216,
89.1359

■ 70.7388, 70.7911,
40.9469

95.0500, 100.0000,
108.9000

■ 66.1760, 64.7386,
29.9522

■ 62.2181, 59.2181,
21.2482

■ 58.8292, 54.2092,
14.6652

■ 55.9689, 49.6896,
10.0096

■ 53.5899, 45.6340,
7.0514

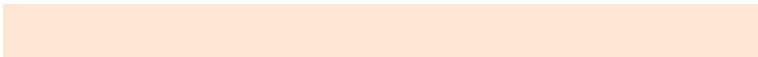
■ 51.6227, 42.0079,
5.4450

■ 51.4793, 41.7387,
5.3431

Harmonies

Analogous

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



85.8508, 84.5619, 74.8431



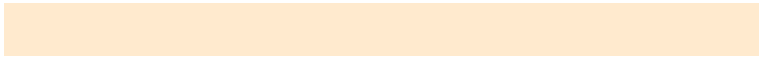
81.8034, 84.5619, 70.4031



77.5128, 84.5619, 71.3531

Triad

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



81.8034, 84.5619, 70.4031



72.7691, 84.5619, 100.6170



86.9832, 84.5619, 108.2847

Complementary

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



81.8034, 84.5619, 70.4031



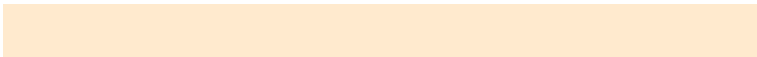
70.9720, 75.2778, 105.3972

Split Complementary

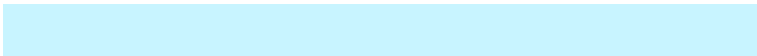
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.3038, 84.5619, 116.4608



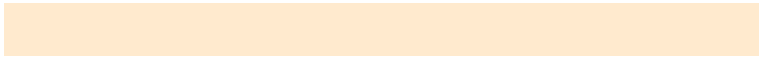
81.8034, 84.5619, 70.4031



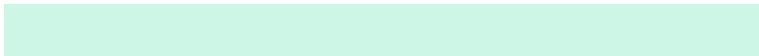
75.1343, 84.5619, 111.7641

Square

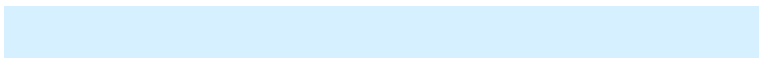
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.8034, 84.5619, 70.4031



72.4001, 84.5619, 88.0623



78.9605, 84.5619, 117.7887



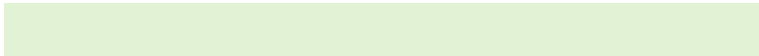
88.9119, 84.5619, 96.2048

Rectangle

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



81.8034, 84.5619, 70.4031



75.0857, 84.5619, 74.9497



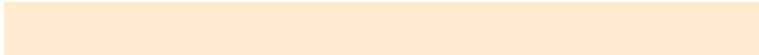
78.9605, 84.5619, 117.7887



85.9040, 84.5619, 111.6251

Sweetspot

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



81.8054, 84.5656, 70.4049



90.6279, 94.9420, 95.7536



77.2093, 70.9625, 82.4705



19.2985, 20.2065, 20.2023



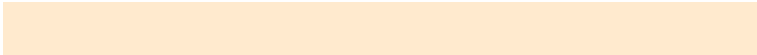
0.0000, 0.0000, 0.0000



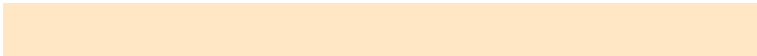
20.3446, 21.4041, 23.3091

Same Dimension

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



81.8054, 84.5656, 70.4049



79.5046, 81.7833, 64.0291



86.9492, 96.6220, 72.4609



18.8713, 19.7108, 18.9543



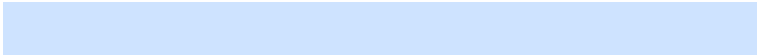
27.0503, 22.1118, 2.8423



2.7423, 2.3699, 0.3129

Inverse Universe

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



70.9720, 75.2778, 105.3972



66.8892, 70.9690, 104.7807



66.4923, 64.9580, 103.6414



17.6429, 18.6575, 22.9213



12.4445, 9.7985, 50.6700



1.3175, 1.1657, 4.9688

Previews

White Background



This preview shows how the XYZ color 81.8034, 84.5619, 70.4031 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 81.8034, 84.5619, 70.4031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

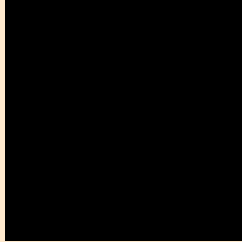
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.8034, 84.5619, 70.4031

Background



This preview shows how black text looks on a background with the XYZ color 81.8034, 84.5619, 70.4031.

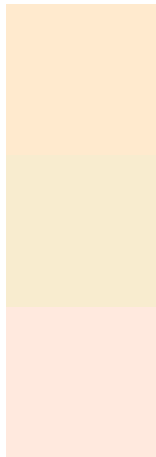


This preview shows how white text looks on a background with the XYZ color 81.8034, 84.5619,

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

81.8034, 84.5619, 70.4031

Protanopia

79.9693, 84.4524, 71.1176

Deuteranopia

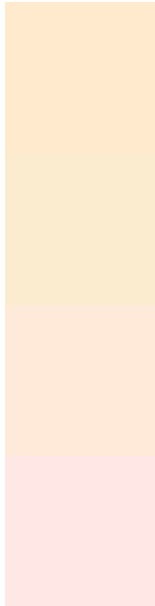
83.5637, 84.8118, 81.0733



Tritanopia

85.8659, 84.3853, 97.3503

Trichromacy



Original Color

81.8034, 84.5619, 70.4031

Protanomaly

80.7545, 84.4309, 71.0721

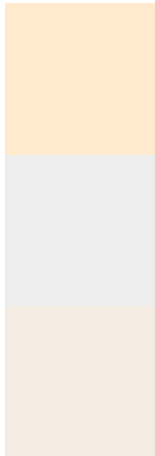
Deuteranomaly

82.7736, 84.4957, 76.9124

Tritanomaly

84.0988, 84.1250, 86.6682

Monochromacy



Original Color

81.8034, 84.5619, 70.4031

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 81.8034, 84.5619, 70.4031 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, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 206) }
```

Border

The CSS property to change the border of an element to XYZ 81.8034, 84.5619, 70.4031 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, 206) }
```


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

```
.border{ border-color:rgb(255, 234, 206) }
```

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, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 81.8034, 84.5619, 70.4031 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, 206) }
```

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

```
.background{ background-color: rgb(255,  
234, 206) }
```

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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