

Converting Colors

XYZ(82.5914, 84.8080, 74.7656)

Have a look what the booklet for
XYZ(82.5914, 84.8080, 74.7656)
contains.

XYZ(82.6731, 84.9097, 74.9827)	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(82.6731, 84.9097,
74.9827)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEAD5
RGB	255, 234, 213
RGB Percent	100%, 92%, 84%
CMY	0.0000, 0.0823, 0.1647
CMYK	0.00, 0.08, 0.16, 0.00
HSL	30°, 100%, 92%
HSV	30°, 16%, 100%
XYZ	82.6731, 84.9097, 74.9827
YIQ	237.8850, 19.2570, -2.0790

Conversions

Conversions Part 2

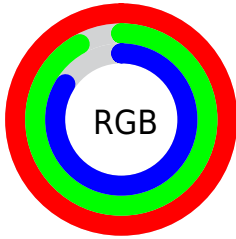
Format	Color
R _Y B	255, 255, 213
Decimal	16771797
CIE Lab	93.84, 3.82, 12.77
CIE LCh	94, 13.329, 73.348
Yxy	84.9097, 0.3408, 0.3500
Android (android.graphics.Color)	4294961877 (0xFFFEAD5)
YUV	237.8850, -12.2683, 15.0099
Hunter-Lab	92.1465, -1.1075, 16.2562

Details

The XYZ color **82.6731, 84.9097, 74.9827** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.9127, 80.2096, 106.1414**, and the grayscale version is **81.2622, 85.4942, 93.1032**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.3807, 46.3152, 38.8957** is the 20% darker color. If you saturate the color by 10%, you get **76.1884, 76.7193, 58.0886**, and if you desaturate by 10%, it is **89.9317, 93.8331, 94.6477**.

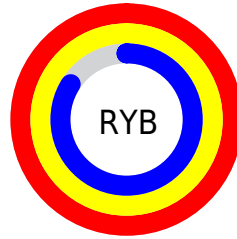
Distribution



Red (100%)

Green (92%)

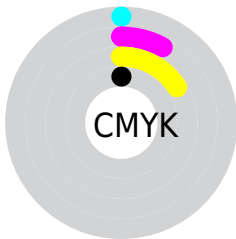
Blue (84%)



Red (100%)

Yellow (100%)

Blue (84%)

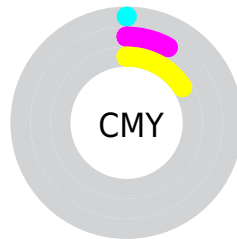


Cyan (0%)

Magenta (8%)

Yellow (16%)

Black (0%)



Cyan (0%)


Magenta (8%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 82.6731, 84.9097, 74.9827 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 82.6731, 84.9097, 74.9827 by changing the saturation by 10% instead.


 82.6731, 84.9097,
74.9827

 82.6731, 84.9097,
74.9827


492.4968,
511.3292, 497.1119

 62.2365, 63.7668,
55.0971

136.0484,
140.2470, 128.0347

 45.4802, 46.4618,
39.0803


169.7179,
175.2102, 162.0382

 32.0387, 32.6104,
26.5139

208.5290,
215.5489, 201.5848

 21.5467, 21.8281,
16.9793

252.8471,
261.6475, 247.0929

 13.6390, 13.7307,
10.0579

303.0376,
313.8905, 298.9811

 7.9500, 7.9336,
5.3313

359.4658,

 4.1145, 4.0525,

372.6621, 357.6680

2.3808

422.4971,
438.3469, 423.5721

■ 1.7671, 1.7030,
0.7760

■ 0.4977, 0.4256,
0.0000

■ 82.6731, 84.9097,
74.9827

■ 82.6731, 84.9097,
74.9827

■ 76.1884, 76.7193,
58.0886

■ 89.9317, 93.8331,
94.6477

■ 70.4428, 69.2307,
43.8334

95.0500, 100.0000,
108.9000

■ 65.4068, 62.4260,
32.0821

■ 61.0467, 56.2824,
22.6855

■ 57.3254, 50.7754,
15.4785

■ 54.2016, 45.8782,
10.2739

■ 51.6276, 41.5615,
6.8527

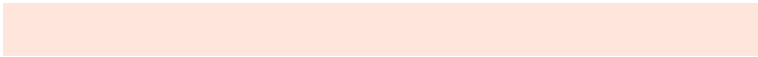
■ 49.5448, 37.7907,
4.9415

■ 48.8982, 36.5764,
4.4827

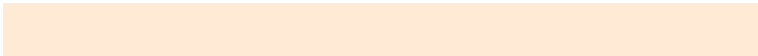
Harmonies

Analogous

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



85.7629, 84.9097, 79.6894



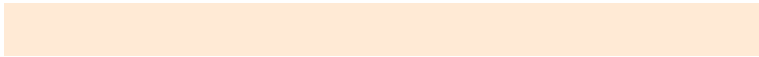
82.6731, 84.9097, 74.9827



79.1407, 84.9097, 74.7297

Triad

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



82.6731, 84.9097, 74.9827



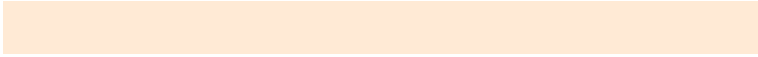
74.2521, 84.9097, 97.0327



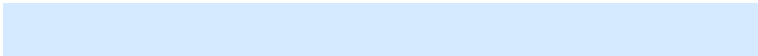
85.4739, 84.9097, 107.3866

Complementary

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



82.6731, 84.9097, 74.9827



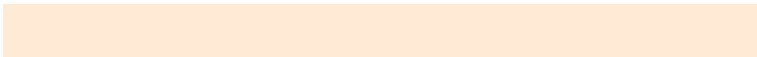
74.9127, 80.2096, 106.1414

Split Complementary

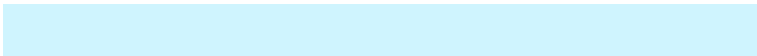
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2880, 84.9097, 112.7761



82.6731, 84.9097, 74.9827



75.8483, 84.9097, 106.5098

Square

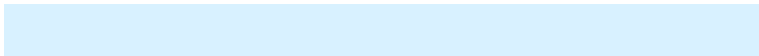
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.6731, 84.9097, 74.9827



74.3484, 84.9097, 86.9705



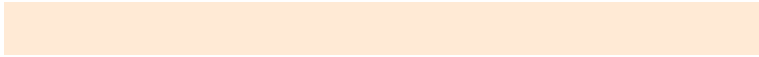
78.7667, 84.9097, 112.4440



87.4121, 84.9097, 98.1596

Rectangle

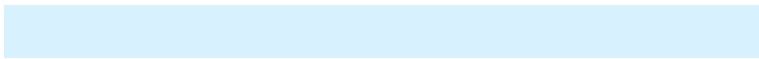
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6731, 84.9097, 74.9827



77.0148, 84.9097, 77.0855



78.7667, 84.9097, 112.4440



84.5094, 84.9097, 109.7364

Sweetspot

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



82.6750, 84.9133, 74.9845



91.0650, 95.2066, 97.7785



79.8861, 74.7900, 88.0681



19.3752, 20.2372, 20.6066



0.0000, 0.0000, 0.0000



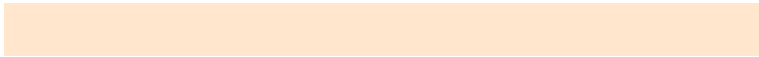
20.3446, 21.4041, 23.3091

Same Dimension

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



82.6750, 84.9133, 74.9845



80.2987, 81.9388, 68.7103



89.0105, 97.5842, 77.0963



18.7600, 19.4881, 18.9172



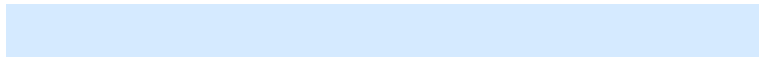
25.6997, 19.4106, 2.3921



2.6115, 2.1084, 0.2693

Inverse Universe

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



74.9127, 80.2096, 106.1414



71.1080, 76.3696, 105.6008



69.2858, 68.9558, 104.2658



17.7532, 18.8781, 22.9581



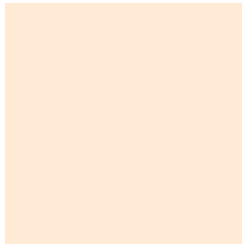
13.5781, 12.0658, 51.0479



1.4313, 1.3932, 5.0068

Previews

White Background



This preview shows how the XYZ color 82.6731, 84.9097, 74.9827 looks on a white background.

Color Contrast Check

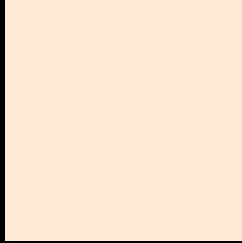
Large Text (above 18pt) WCAG AA × Fail

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 82.6731, 84.9097, 74.9827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

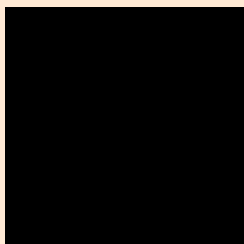
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 82.6731, 84.9097, 74.9827

Background



This preview shows how black text looks on a background with the XYZ color 82.6731, 84.9097, 74.9827.

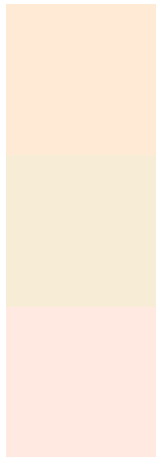


This preview shows how white text looks on a background with the XYZ color 82.6731, 84.9097,

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

82.6731, 84.9097, 74.9827

Protanopia

80.7796, 85.1976, 75.8056

Deuteranopia

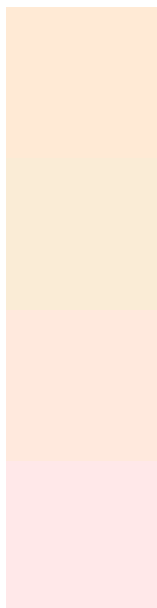
83.9695, 84.9741, 83.2101



Tritanopia

86.2973, 85.0044, 98.2453

Trichromacy



Original Color

82.6731, 84.9097, 74.9827

Protanomaly

81.5574, 85.1699, 75.7592

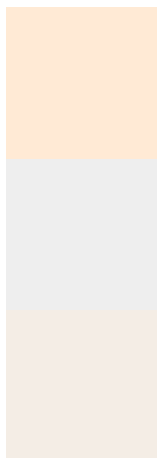
Deuteranomaly

83.4301, 84.7583, 80.3694

Tritanomaly

84.8046, 84.8564, 89.0000

Monochromacy



Original Color

82.6731, 84.9097, 74.9827

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.7353, 85.4586, 86.3160

CSS Examples

Text

The CSS property to change the color of the text to XYZ 82.6731, 84.9097, 74.9827 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 213) }
```

Border

The CSS property to change the border of an element to XYZ 82.6731, 84.9097, 74.9827 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, 213) }
```


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

```
.border{ border-color:rgb(255, 234, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
213) }
```

Background

The CSS property to change the background color of an element to XYZ 82.6731, 84.9097, 74.9827 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, 213) }
```

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

```
.background{ background-color: rgb(255,  
234, 213) }
```

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