

# Converting Colors

XYZ(169.3061, 129.7358,  
79.3497)

Have a look what the booklet for  
XYZ(169.3061, 129.7358, 79.3497)  
contains.

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# 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

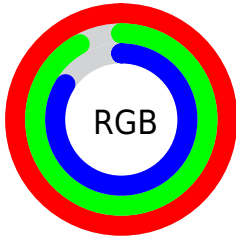
Format	Color
R <sub>Y</sub> B	255, 255, 213
Decimal	16771797
CIE Lab	93.84, 3.82, 12.77
CIE LCh	94, 13.329, 73.348
Yxy	84.9097, 0.3408, 0.3500
Android (android.graphics.Color)	4294961877 (0xFFFEAD5)
YUV	237.8850, -12.2683, 15.0099
Hunter-Lab	92.1465, -1.1075, 16.2562

# 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**.

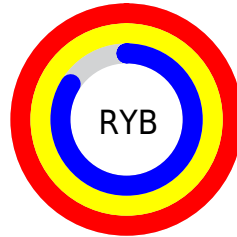
# Distribution



Red (100%)

Green (92%)

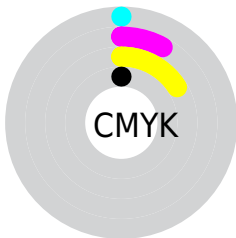
Blue (84%)



Red (100%)

Yellow (100%)

Blue (84%)

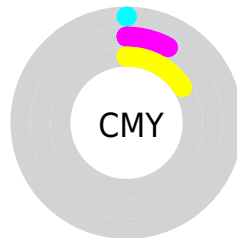


Cyan (0%)

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

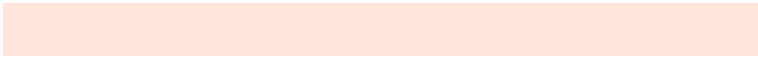
■ 49.5448, 37.7907,  
4.9415

■ 48.8982, 36.5764,  
4.4827

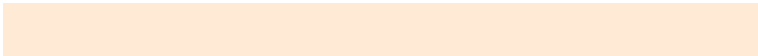
# Harmonies

## 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



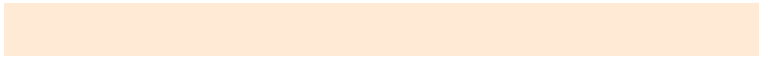
82.6731, 84.9097, 74.9827



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



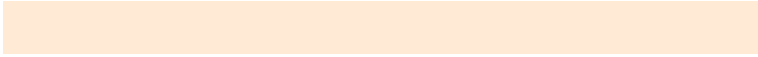
74.2521, 84.9097, 97.0327



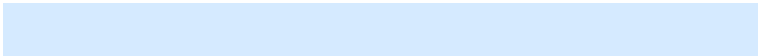
85.4739, 84.9097, 107.3866

# 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

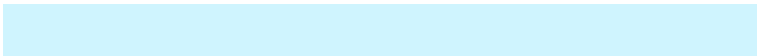
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.2880, 84.9097, 112.7761



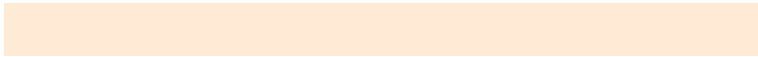
82.6731, 84.9097, 74.9827



75.8483, 84.9097, 106.5098

# Square

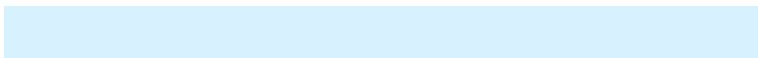
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



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

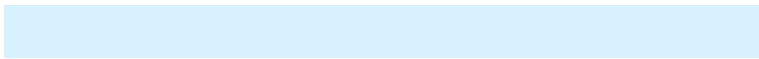
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.6731, 84.9097, 74.9827



77.0148, 84.9097, 77.0855



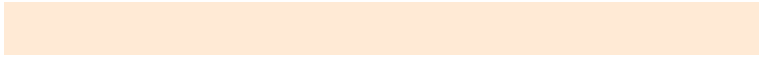
78.7667, 84.9097, 112.4440



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

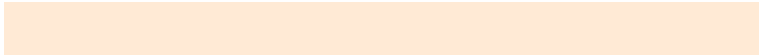


20.3446, 21.4041, 23.3091

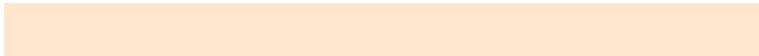


# Same Dimension

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

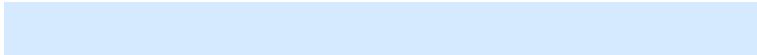


2.6115, 2.1084, 0.2693

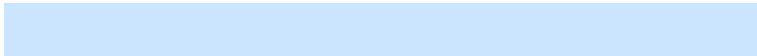


# Inverse Universe

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

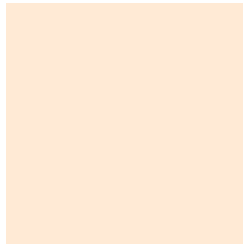


1.4313, 1.3932, 5.0068



# 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

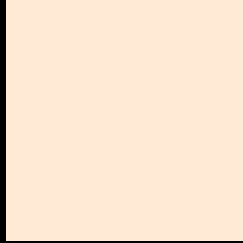
Any Text WCAG AA × Fail

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.



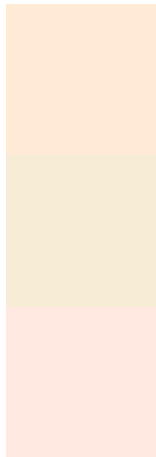
This preview shows how white text looks on a background with the XYZ color 82.6731, 84.9097,

74.9827.

# 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

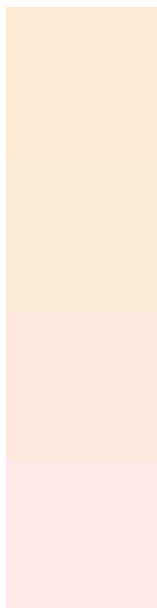
83.9695, 84.9741, 83.2101



## Tritanopia

86.2973, 85.0044, 98.2453

# Trichromacy



## Original Color

82.6731, 84.9097, 74.9827

## Protanomaly

81.5574, 85.1699, 75.7592

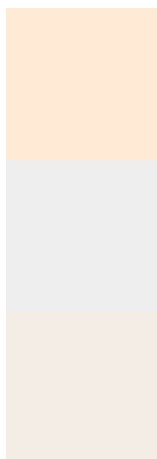
## Deuteranomaly

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](#).

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