

# Converting Colors

XYZ(81.8605, 83.5272, 73.9639)

Have a look what the booklet for  
XYZ(81.8605, 83.5272, 73.9639)  
contains.

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# Color

**XYZ(81.9803, 83.7267,  
74.1274)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8D4
RGB	255, 232, 212
RGB Percent	100%, 91%, 83%
CMY	0.0000, 0.0902, 0.1686
CMYK	0.00, 0.09, 0.17, 0.00
HSL	28°, 100%, 92%
HSV	28°, 17%, 100%
XYZ	81.9803, 83.7267, 74.1274
YIQ	236.5970, 20.1280, -1.3440

# Conversions

## Conversions Part 2

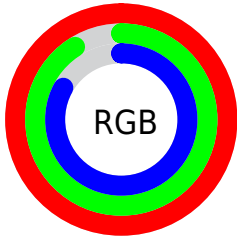
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 249, 212
Decimal	16771284
CIE <sub>Lab</sub>	93.33, 4.69, 12.56
CIE <sub>LCh</sub>	93, 13.408, 69.518
Yxy	83.7267, 0.3418, 0.3491
Android (android.graphics.Color)	4294961364 (0xFFFFE8D4)
YUV	236.5970, -12.1263, 16.1394
Hunter-Lab	91.5023, -0.2042, 16.0199

# Details

The XYZ color **81.9803, 83.7267, 74.1274** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **74.9089, 80.6314, 106.2230**, and the grayscale version is **80.2676, 84.4477, 91.9636**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.8998, 45.4908, 38.3124** is the 20% darker color. If you saturate the color by 10%, you get **75.3238, 75.1614, 57.2721**, and if you desaturate by 10%, it is **89.4467, 93.0981, 93.7611**.

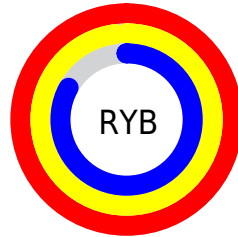
# Distribution



Red (100%)

Green (91%)

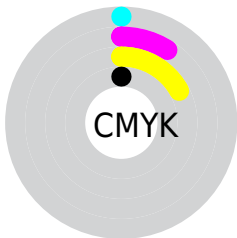
Blue (83%)



Red (100%)

Yellow (98%)

Blue (83%)

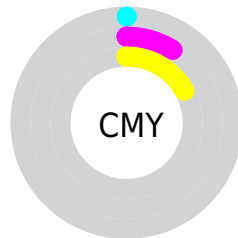


Cyan (0%)

Magenta (9%)

Yellow (17%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (17%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.9803, 83.7267, 74.1274 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 81.9803, 83.7267, 74.1274 by changing the saturation by 10% instead.



81.9803, 83.7267,  
74.1274

81.9803, 83.7267,  
74.1274

490.2173,  
507.4052, 494.0881

61.6633, 62.7898,  
54.4009

135.0823,  
138.5928, 126.8121

45.0153, 45.6712,  
38.5269

168.5981,  
173.2908, 160.6074

31.6708, 31.9864,  
26.0869

207.2443,  
213.3447, 199.9293

21.2645, 21.3511,  
16.6623

251.3861,  
259.1387, 245.1965

13.4310, 13.3809,  
9.8346

301.3889,  
311.0574, 296.8274

7.8051, 7.6914,  
5.1853

357.6182,

4.0212, 3.8981,

369.4852, 355.2406

2.2957

420.4392,  
434.8063, 420.8547

■ 1.7141, 1.6167,  
0.7288

■ 0.4651, 0.3688,  
0.0000

■ 81.9803, 83.7267,  
74.1274

■ 81.9803, 83.7267,  
74.1274

■ 75.3238, 75.1614,  
57.2721

■ 89.4467, 93.0981,  
93.7611

■ 69.4408, 67.3685,  
43.0625

95.0500, 100.0000,  
108.9000

■ 64.3006, 60.3274,  
31.3627

■ 59.8678, 54.0124,  
22.0224

■ 56.1040, 48.3960,  
14.8753

■ 52.9658, 43.4485,  
9.7327

■ 50.4036, 39.1367,  
6.3735

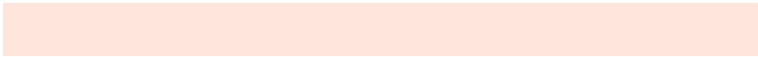
■ 48.3562, 35.4224,  
4.5183

■ 47.7936, 34.3671,  
4.1145

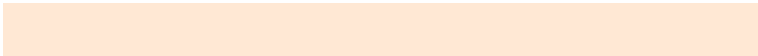
# Harmonies

## Analogous

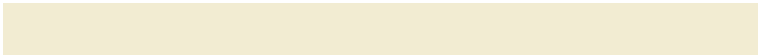
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9356, 83.7267, 79.3370



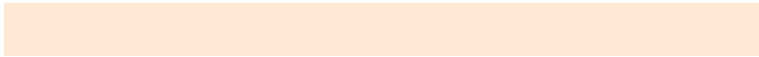
81.9803, 83.7267, 74.1274



78.4617, 83.7267, 73.2925

# Triad

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



81.9803, 83.7267, 74.1274



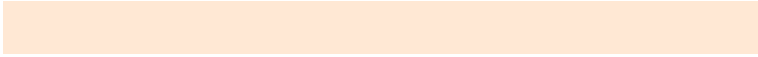
73.0667, 83.7267, 94.4191



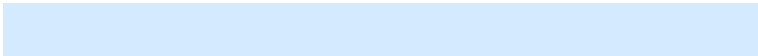
83.9808, 83.7267, 107.0099

# Complementary

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



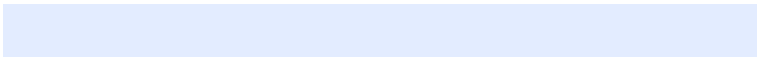
81.9803, 83.7267, 74.1274



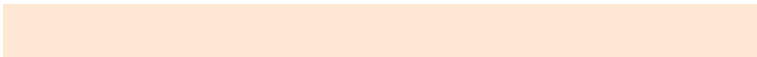
74.9089, 80.6314, 106.2230

# Split Complementary

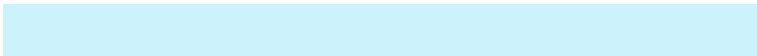
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



80.7083, 83.7267, 111.7277



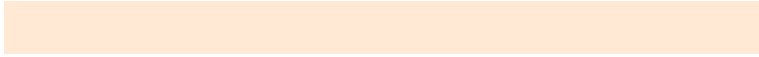
81.9803, 83.7267, 74.1274



74.4538, 83.7267, 104.1119

# Square

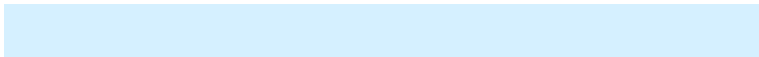
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.9803, 83.7267, 74.1274



73.3845, 83.7267, 84.5251



77.2265, 83.7267, 110.6296

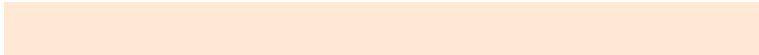


86.1142, 83.7267, 98.1421



# Rectangle

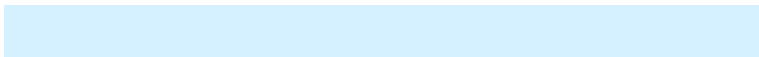
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.9803, 83.7267, 74.1274



76.2796, 83.7267, 75.2616



77.2265, 83.7267, 110.6296



82.9737, 83.7267, 109.1624

# Sweetspot

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



81.9823, 83.7303, 74.1292



90.9279, 94.9325, 97.7328



79.8735, 74.3837, 89.2388



19.3419, 20.1706, 20.5955



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

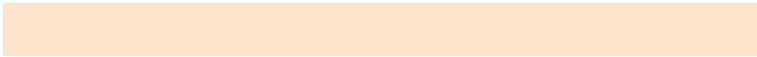


# Same Dimension

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



81.9823, 83.7303, 74.1292



79.8075, 80.9564, 68.5466



88.2019, 96.1695, 76.2024



18.7060, 19.3801, 18.8992



25.1192, 18.2497, 2.1986

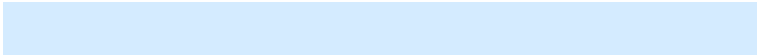


2.5538, 1.9930, 0.2501

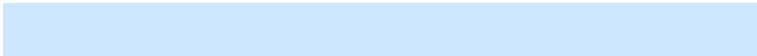


# Inverse Universe

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



74.9089, 80.6314, 106.2230



71.6042, 77.3620, 105.7662



69.2869, 69.3873, 104.3490



17.8075, 18.9865, 22.9762



14.2098, 13.3291, 51.2584

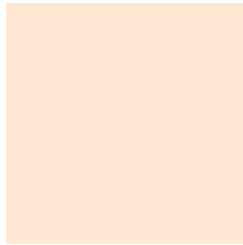


1.4929, 1.5166, 5.0273



# Previews

## White Background



This preview shows how the XYZ color 81.9803, 83.7267, 74.1274 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

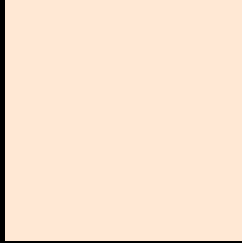
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.9803, 83.7267, 74.1274 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

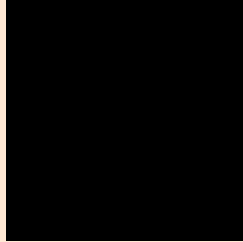
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 81.9803, 83.7267, 74.1274

## Background



This preview shows how black text looks on a background with the XYZ color 81.9803, 83.7267, 74.1274.



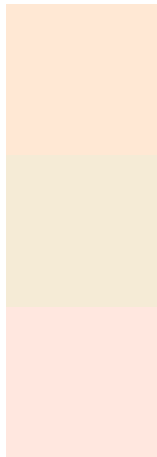
This preview shows how white text looks on a background with the XYZ color 81.9803, 83.7267,

74.1274.

# 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

81.9803, 83.7267, 74.1274

### Protanopia

79.5021, 83.6842, 75.5808

### Deuteranopia

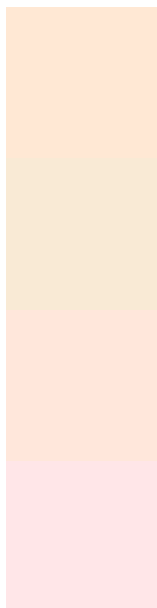
83.1352, 83.7395, 81.5937



## Tritanopia

85.4370, 83.7697, 96.4602

# Trichromacy



## Original Color

81.9803, 83.7267, 74.1274

## Protanomaly

80.5000, 83.7895, 74.8810

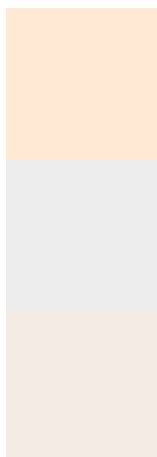
## Deuteranomaly

82.6021, 83.5263, 78.7864

## Tritanomaly

84.1023, 83.6798, 88.0631

# Monochromacy



## Original Color

81.9803, 83.7267, 74.1274

## Achromatopsia

80.4953, 84.6873, 92.2245

## Achromatomaly

81.0201, 84.2512, 85.3907

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.9803, 83.7267, 74.1274 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, 232, 212) looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 212)  
}
```

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, 232, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 212) }
```

## Border

The CSS property to change the border of an element to XYZ 81.9803, 83.7267, 74.1274 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, 232, 212) }
```



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

```
.border{ border-color:rgb(255, 232, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 212);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
212) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.9803, 83.7267, 74.1274 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 212) }
```

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

```
.background{ background-color: rgb(255,  
232, 212) }
```

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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