

# Converting Colors

XYZ(81.5994, 83.7894, 71.4585)

Have a look what the booklet for  
XYZ(81.5994, 83.7894, 71.4585)  
contains.

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# Color

**XYZ(81.4818, 83.5273,  
71.5023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE8D0
RGB	255, 232, 208
RGB Percent	100%, 91%, 82%
CMY	0.0000, 0.0902, 0.1843
CMYK	0.00, 0.09, 0.18, 0.00
HSL	31°, 100%, 91%
HSV	31°, 18%, 100%
XYZ	81.4818, 83.5273, 71.5023
YIQ	236.1410, 21.4120, -2.5880

# Conversions

## Conversions Part 2

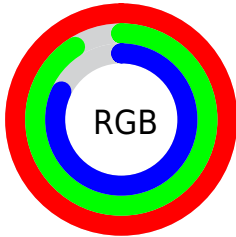
Format	Color
R <sub>Y</sub> B	253, 255, 208
Decimal	16771280
CIE Lab	93.24, 4.10, 14.51
CIE LCh	93, 15.081, 74.227
Yxy	83.5273, 0.3445, 0.3532
Android (android.graphics.Color)	4294961360 (0xFFFFE8D0)
YUV	236.1410, -13.8735, 16.5393
Hunter-Lab	91.3933, -0.7963, 17.5893

# Details

The XYZ color **81.4818, 83.5273, 71.5023** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.6376, 77.7795, 105.7923**, and the grayscale version is **79.9299, 84.0925, 91.5768**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **44.6468, 45.3895, 36.9798** is the 20% darker color. If you saturate the color by 10%, you get **75.2056, 75.5984, 55.1565**, and if you desaturate by 10%, it is **88.5157, 92.1638, 90.5912**.

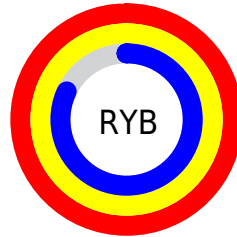
# Distribution



Red (100%)

Green (91%)

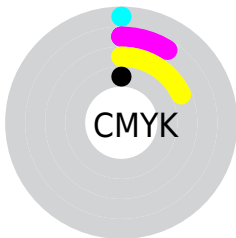
Blue (82%)



Red (99%)

Yellow (100%)

Blue (82%)

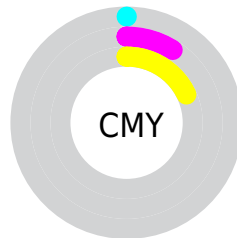


Cyan (0%)

Magenta (9%)

Yellow (18%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 81.4818, 83.5273, 71.5023 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 81.4818, 83.5273, 71.5023 by changing the saturation by 10% instead.




 81.4818, 83.5273,  
71.5023

 81.4818, 83.5273,  
71.5023


488.5735,  
506.7422, 484.7383

 61.2511, 62.6252,  
52.2679


134.3867,  
138.3137, 123.0498

 44.6812, 45.5381,  
36.8349


167.7916,  
172.9669, 156.1999

 31.4066, 31.8815,  
24.7849


206.3187,  
212.9726, 194.8257

 21.0620, 21.2710,  
15.6993

250.3333,  
258.7152, 239.3457

 13.2820, 13.3222,  
9.1596

300.2007,  
310.5790, 290.1784

 7.7014, 7.6508,  
4.7472

356.2863,

 3.9547, 3.8723,

368.9485, 347.7424

2.0436

418.9554,  
434.2081, 412.4562

■ 1.6765, 1.6024,  
0.5819

■ 0.4415, 0.3592,  
0.0000

■ 81.4818, 83.5273,  
71.5023

■ 81.4818, 83.5273,  
71.5023

■ 75.2056, 75.5984,  
55.1565

■ 88.5157, 92.1638,  
90.5912

■ 69.6520, 68.3465,  
41.4202

95.0500, 100.0000,  
108.9000

■ 64.7917, 61.7541,  
30.1563

■ 60.5907, 55.7988,  
21.2129

■ 57.0115, 50.4565,  
14.4212

■ 54.0122, 45.7011,  
9.5891

■ 51.5439, 41.5030,  
6.4894

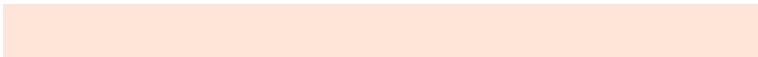
■ 49.5403, 37.8256,  
4.8049

■ 49.2549, 37.2897,  
4.6016

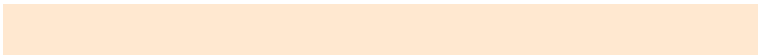
# Harmonies

## Analogous

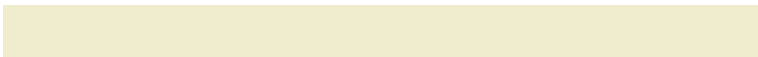
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.9826, 83.5273, 76.5449



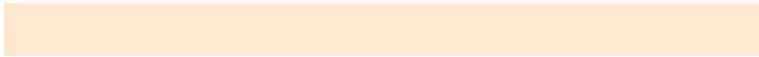
81.4818, 83.5273, 71.5023



77.5303, 83.5273, 71.3724

# Triad

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



81.4818, 83.5273, 71.5023



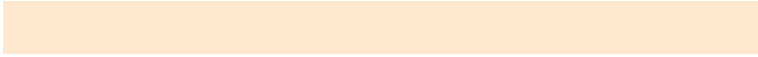
72.2234, 83.5273, 96.4221



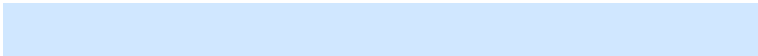
84.8303, 83.5273, 107.5166

# Complementary

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



81.4818, 83.5273, 71.5023



72.6376, 77.7795, 105.7923

# Split Complementary

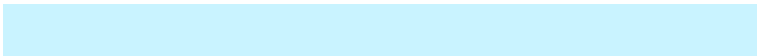
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.2796, 83.5273, 113.8086



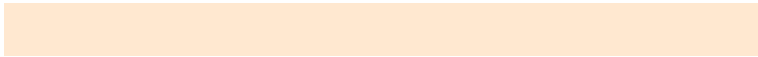
81.4818, 83.5273, 71.5023



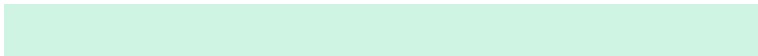
74.0487, 83.5273, 107.0511

# Square

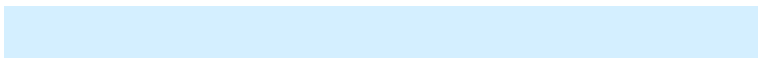
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.4818, 83.5273, 71.5023



72.2735, 83.5273, 85.1370



77.3347, 83.5273, 113.6315



86.9594, 83.5273, 97.0156



# Rectangle

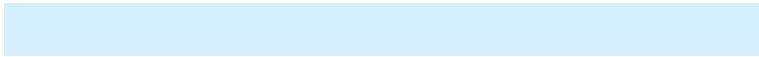
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.4818, 83.5273, 71.5023



75.1766, 83.5273, 74.0540



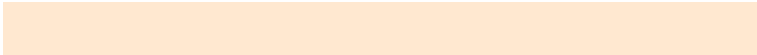
77.3347, 83.5273, 113.6315



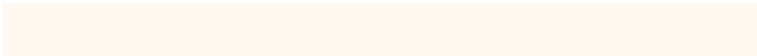
83.7584, 83.5273, 110.2315

# Sweetspot

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



81.4837, 83.5309, 71.5040



90.3420, 94.3701, 95.6583



78.2910, 72.1705, 85.7766



19.2309, 20.0713, 20.1798



0.0000, 0.0000, 0.0000

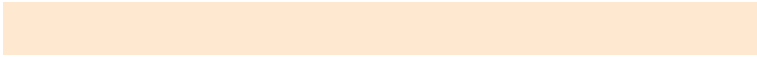


20.3446, 21.4041, 23.3091

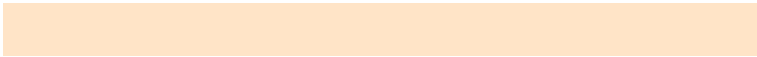


# Same Dimension

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



81.4837, 83.5309, 71.5040



79.1578, 80.6202, 65.3612



88.3854, 97.3342, 73.8046



18.7765, 19.5211, 18.9227



25.8867, 19.7847, 2.4544

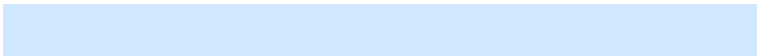


2.6299, 2.1451, 0.2754

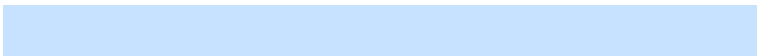


# Inverse Universe

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



72.6376, 77.7795, 105.7923



68.8674, 73.9299, 105.2479



66.6192, 65.7427, 103.7862



17.7367, 18.8451, 22.9526



13.3960, 11.7015, 50.9872

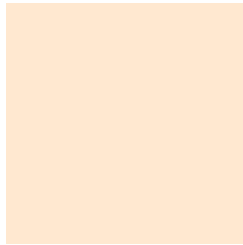


1.4133, 1.3572, 5.0008



# Previews

## White Background



This preview shows how the XYZ color 81.4818, 83.5273, 71.5023 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

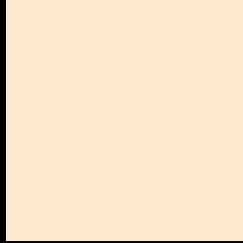
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 81.4818, 83.5273, 71.5023 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

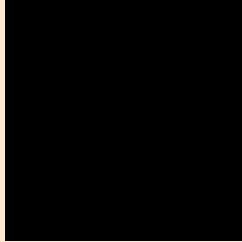
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 81.4818, 83.5273, 71.5023**

## **Background**



This preview shows how black text looks on a background with the XYZ color 81.4818, 83.5273, 71.5023.



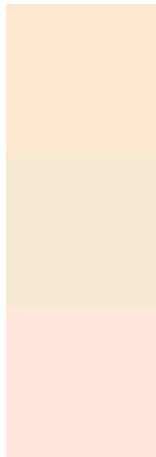
This preview shows how white text looks on a background with the XYZ color 81.4818, 83.5273, 71.5023.



# 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

81.4818, 83.5273, 71.5023

### Protanopia

79.3472, 83.6626, 72.9392

### Deuteranopia

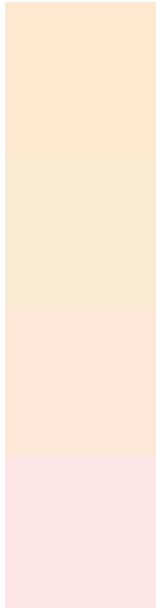
82.8671, 83.6323, 80.1817



## Tritanopia

85.4370, 83.7697, 96.4602

# Trichromacy



## Original Color

81.4818, 83.5273, 71.5023

## Protanomaly

79.9984, 83.5888, 72.2395

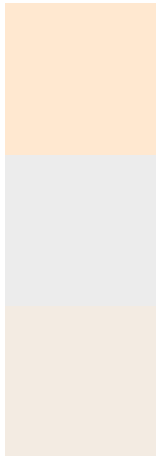
## Deuteranomaly

82.2106, 83.3697, 76.7247

## Tritanomaly

83.8197, 83.5668, 86.5751

# Monochromacy



## Original Color

81.4818, 83.5273, 71.5023

## Achromatopsia

79.7278, 83.8799, 91.3452

## Achromatomaly

80.3979, 83.9623, 83.9204

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 81.4818, 83.5273, 71.5023 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, 208) looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 208)  
}
```

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, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 208) }
```

## Border

The CSS property to change the border of an element to XYZ 81.4818, 83.5273, 71.5023 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, 208) }
```



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

```
.border{ border-color:rgb(255, 232, 208) }
```

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, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 208);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
208) }
```

# Background

The CSS property to change the background color of an element to XYZ 81.4818, 83.5273, 71.5023 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, 208) }
```

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

```
.background{ background-color: rgb(255,  
232, 208) }
```

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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