

# Converting Colors

XYZ(83.8257, 91.3018, 71.5974)

Have a look what the booklet for  
XYZ(83.8257, 91.3018, 71.5974)  
contains.

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# Color

**XYZ(83.8257, 91.3018,  
71.5974)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAF7CE
RGB	250, 247, 206
RGB Percent	98%, 97%, 81%
CMY	0.0196, 0.0313, 0.1921
CMYK	0.00, 0.01, 0.18, 0.02
HSL	56°, 81%, 89%
HSV	56°, 18%, 98%
XYZ	83.8257, 91.3018, 71.5974
YIQ	243.2230, 14.9490, -12.1150

# Conversions

## Conversions Part 2

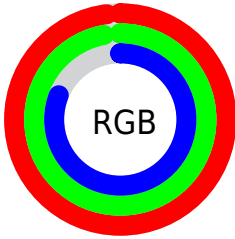
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 250, 206
Decimal	16447438
CIE <sub>Lab</sub>	96.53, -5.57, 20.11
CIE <sub>LCh</sub>	97, 20.864, 105.477
Yxy	91.3018, 0.3398, 0.3701
Android (android.graphics.Color)	4294637518 (0xFFFAF7CE)
YUV	243.2230, -18.3509, 5.9434
Hunter-Lab	95.5520, -10.6217, 22.4602

# Details

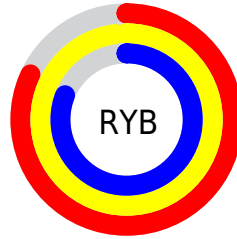
The XYZ color **83.8257, 91.3018, 71.5974** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.5092, 65.6234, 99.6570**, and the grayscale version is **85.5043, 89.9572, 97.9634**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.2906, 50.8661, 37.0841** is the 20% darker color. If you saturate the color by 10%, you get **80.5100, 89.1499, 56.6814**, and if you desaturate by 10%, it is **87.6341, 93.6646, 89.0631**.

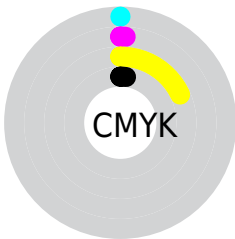
# Distribution



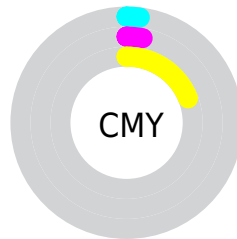
- Red (98%)
- Green (97%)
- Blue (81%)



- Red (82%)
- Yellow (98%)
- Blue (81%)



- Cyan (0%)
- Magenta (1%)
- Yellow (18%)
- Black (2%)




- Cyan (2%)
- Magenta (3%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.8257, 91.3018, 71.5974 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 83.8257, 91.3018, 71.5974 by changing the saturation by 10% instead.




 83.8257, 91.3018,  
71.5974

 83.8257, 91.3018,  
71.5974


496.2767,  
532.2565, 485.0789

 63.1908, 69.0609,  
52.3450


137.6539,  
149.1453, 123.1864

 46.2548, 50.7613,  
36.8960


171.5778,  
185.5167, 156.3600

 32.6524, 36.0187,  
24.8319


210.6621,  
227.3670, 195.0112

 22.0182, 24.4486,  
15.7339

255.2721,  
275.0807, 239.5585

 13.9870, 15.6667,  
9.1838

305.7732,  
329.0421, 290.4203

 8.1933, 9.2886,  
4.7628

362.5308,

 4.2717, 4.9299,

389.6356, 348.0153

2.0525

425.9101,  
457.2456, 412.7620

■ 1.8570, 2.2062,  
0.5873

■ 0.5516, 0.7234,  
0.0000

■ 83.8257, 91.3018,  
71.5974

■ 83.8257, 91.3018,  
71.5974

■ 80.5100, 89.1499,  
56.6814

■ 87.6341, 93.6646,  
89.0631

■ 77.6570, 87.1875,  
44.1892

■ 91.7875, 96.1699,  
108.3327

■ 75.2444, 85.4088,  
33.9931

■ 92.3197, 97.2344,  
108.5101

■ 73.2454, 83.8031,  
25.9513

■ 92.8568, 98.3085,  
108.6891

■ 71.6299, 82.3584,  
19.9064

■ 93.2346, 99.0641,  
108.8150

■ 70.3641, 81.0610,  
15.6793

■ 69.4079, 79.8949,  
13.0595

■ 68.7083, 78.8390,  
11.7685

■ 68.5597, 78.5943,  
11.5567

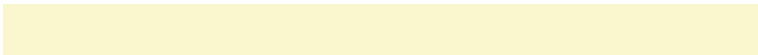
# Harmonies

## Analogous

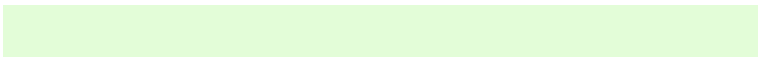
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6182, 91.3018, 71.4865



83.8257, 91.3018, 71.5974



79.0383, 91.3018, 78.5776

# Triad

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



83.8257, 91.3018, 71.5974



79.1621, 91.3018, 124.0746



98.0773, 91.3018, 107.6734

# Complementary

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



83.8257, 91.3018, 71.5974



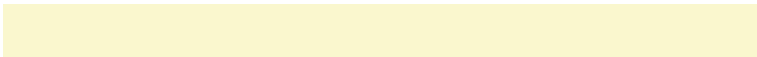
65.5092, 65.6234, 99.6570

# 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.



95.0106, 91.3018, 123.6378



83.8257, 91.3018, 71.5974



84.0016, 91.3018, 133.8011

# Square

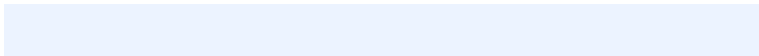
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



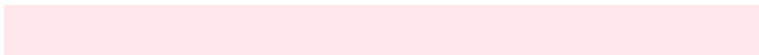
83.8257, 91.3018, 71.5974



76.4289, 91.3018, 108.2177



89.8021, 91.3018, 133.6329

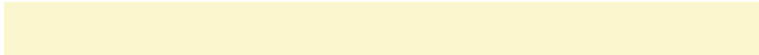


98.0250, 91.3018, 91.0977

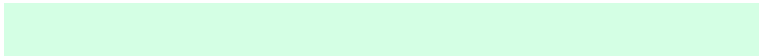


# Rectangle

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



83.8257, 91.3018, 71.5974



76.9853, 91.3018, 86.6863



89.8021, 91.3018, 133.6329



97.3712, 91.3018, 113.3262

# Sweetspot

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



83.8281, 91.3058, 71.5993



92.7884, 98.6534, 98.3529



73.0880, 69.1043, 70.2428



19.7948, 21.0764, 20.7465



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

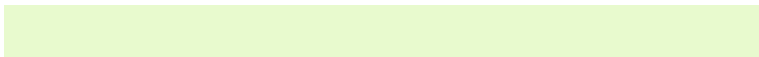
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.8281, 91.3058, 71.5993



86.4440, 94.7150, 69.2620



78.4977, 89.9283, 71.6144



18.6203, 19.9765, 18.3369



36.4094, 41.7754, 6.1445



3.4017, 3.9282, 0.5789



# Inverse Universe

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



65.5092, 65.6234, 99.6570



64.1125, 63.4078, 103.4676



70.1716, 66.9466, 99.6666



16.3779, 16.8326, 21.7711



9.2947, 3.9449, 48.2451

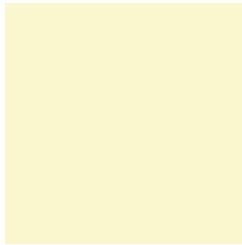


0.8929, 0.4295, 4.4790



# Previews

## White Background



This preview shows how the XYZ color 83.8257, 91.3018, 71.5974 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

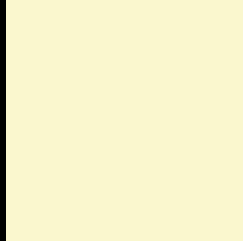
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.8257, 91.3018, 71.5974 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

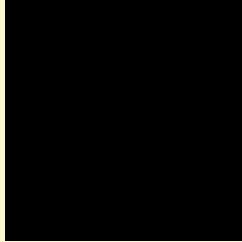
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.8257, 91.3018, 71.5974

## Background



This preview shows how black text looks on a background with the XYZ color 83.8257, 91.3018, 71.5974.



This preview shows how white text looks on a background with the XYZ color 83.8257, 91.3018,

71.5974.

# 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

83.8257, 91.3018, 71.5974

### Protanopia

86.2871, 91.5227, 78.0836

### Deuteranopia

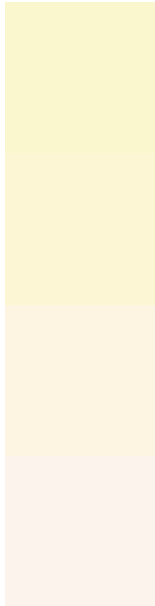
88.4309, 91.4173, 92.3414



## Tritanopia

90.3783, 91.2014, 107.4479

# Trichromacy



## Original Color

83.8257, 91.3018, 71.5974

## Protanomaly

85.3474, 91.5476, 75.4595

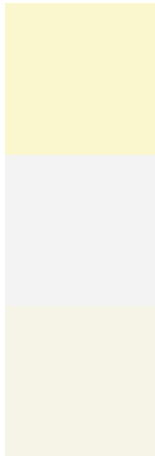
## Deuteranomaly

86.4493, 91.0203, 84.2465

## Tritanomaly

87.8447, 91.0983, 93.0746

# Monochromacy



## Original Color

83.8257, 91.3018, 71.5974

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.6396, 90.0074, 87.7751

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.8257, 91.3018, 71.5974 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(250, 247, 206)` looks like.

```
.text, #text, p{  
    color:rgb(250, 247, 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(250, 247, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 247, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 83.8257, 91.3018, 71.5974 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(250, 247, 206) }
```



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

```
.border{ border-color:rgb(250, 247, 206) }
```

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

Here you see how a box with a 4 pixel rgb(250, 247, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 247, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 247, 206);  
box-shadow:4px 4px 4px 4px rgb(250, 247,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.8257, 91.3018, 71.5974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 247, 206) }
```

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

```
.background{ background-color: rgb(250,  
247, 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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