

# Converting Colors

XYZ(83.4231, 89.0260, 71.4345)

Have a look what the booklet for  
XYZ(83.4231, 89.0260, 71.4345)  
contains.

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# **Color**

**XYZ(83.4007, 88.8431,  
71.1453)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDF2CE
RGB	253, 242, 206
RGB Percent	99%, 95%, 81%
CMY	0.0078, 0.0510, 0.1921
CMYK	0.00, 0.04, 0.19, 0.01
HSL	46°, 92%, 90%
HSV	46°, 19%, 99%
XYZ	83.4007, 88.8431, 71.1453
YIQ	241.1850, 18.1120, -8.8640

# Conversions

## Conversions Part 2

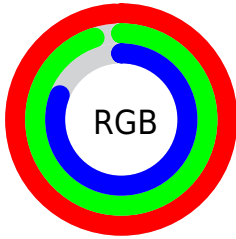
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	220, 253, 206
Decimal	16642766
CIE Lab	95.51, -1.99, 18.72
CIE LCh	96, 18.822, 96.055
Yxy	88.8431, 0.3427, 0.3650
Android (android.graphics.Color)	4294832846 (0xFFFFDF2CE)
YUV	241.1850, -17.3462, 10.3618
Hunter-Lab	94.2566, -7.0077, 21.2273

# Details

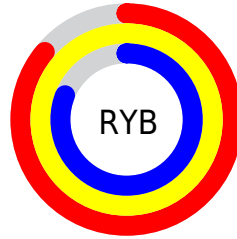
The XYZ color **83.4007, 88.8431, 71.1453** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **67.9958, 69.8379, 102.8254**, and the grayscale version is **83.8791, 88.2473, 96.1014**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.9914, 49.1206, 36.7630** is the 20% darker color. If you saturate the color by 10%, you get **78.8389, 84.2482, 55.6622**, and if you desaturate by 10%, it is **88.5190, 93.7579, 89.2568**.

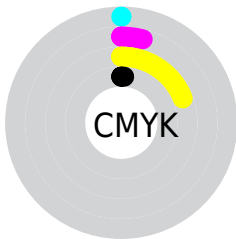
# Distribution



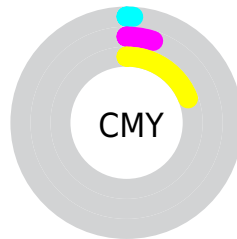
- Red (99%)
- Green (95%)
- Blue (81%)



- Red (86%)
- Yellow (99%)
- Blue (81%)



- Cyan (0%)
- Magenta (4%)
- Yellow (19%)
- Black (1%)




- Cyan (1%)
- Magenta (5%)
- Yellow (19%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 83.4007, 88.8431, 71.1453 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 83.4007, 88.8431, 71.1453 by changing the saturation by 10% instead.




 83.4007, 88.8431,  
71.1453

 83.4007, 88.8431,  
71.1453


494.8847,  
524.2603, 483.4585

 62.8388, 67.0215,  
51.9782


137.0621,  
145.7304, 122.5370

 45.9690, 49.1021,  
36.6056


170.8924,  
181.5648, 155.5987

 32.4259, 34.7005,  
24.6089


209.8761,  
222.8391, 194.1290

 21.8441, 23.4323,  
15.5695

254.3787,  
269.9374, 238.5464

 13.8584, 14.9130,  
9.0690

304.7655,  
323.2443, 289.2695

 8.1033, 8.7584,  
4.6888

361.4019,

 4.2135, 4.5839,

383.1442, 346.7169

2.0103

424.6532,  
450.0214, 411.3071

■ 1.8236, 2.0053,  
0.5616

■ 0.5318, 0.6105,  
0.0000

■ 83.4007, 88.8431,  
71.1453

■ 83.4007, 88.8431,  
71.1453

■ 78.8389, 84.2482,  
55.6622

■ 88.5190, 93.7579,  
89.2568

■ 74.8024, 79.9507,  
42.6771

■ 93.9503, 98.8869,  
108.7431

■ 71.2675, 75.9434,  
32.0573

■ 94.3183, 99.6228,  
108.8658

■ 68.2055, 72.2139,  
23.6551

■ 65.5849, 68.7487,  
17.3064

■ 63.3696, 65.5325,  
12.8240

■ 61.5169, 62.5473,  
9.9866

■ 59.9666, 59.7680,  
8.4792

■ 59.7591, 59.3844,  
8.3127

# Harmonies

## Analogous

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



88.5330, 88.8431, 73.0247



83.4007, 88.8431, 71.1453



78.7379, 88.8431, 75.5373

# Triad

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



83.4007, 88.8431, 71.1453



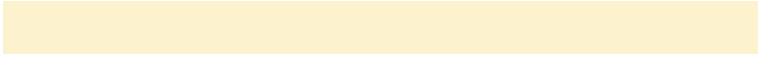
76.6743, 88.8431, 114.4373



93.8369, 88.8431, 108.7294

# Complementary

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



83.4007, 88.8431, 71.1453



67.9958, 69.8379, 102.8254

# Split Complementary

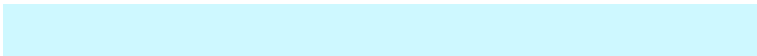
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.4166, 88.8431, 121.5681



83.4007, 88.8431, 71.1453



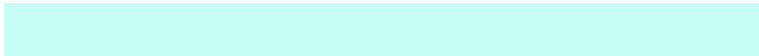
80.4803, 88.8431, 125.0913

# Square

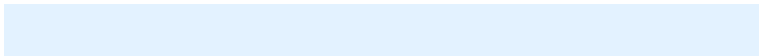
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.4007, 88.8431, 71.1453



74.9575, 88.8431, 99.7627



85.4933, 88.8431, 127.8250



94.6961, 88.8431, 93.7693

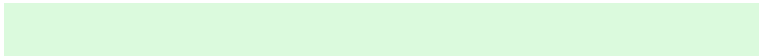


# Rectangle

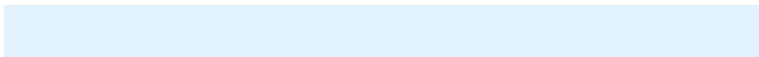
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.4007, 88.8431, 71.1453



76.4781, 88.8431, 81.7228



85.4933, 88.8431, 127.8250



92.9420, 88.8431, 113.4816

# Sweetspot

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



83.4031, 88.8471, 71.1472



91.5524, 96.7911, 96.0618



75.2025, 70.0753, 75.7217



19.5173, 20.6440, 20.2753



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.



83.4031, 88.8471, 71.1472



83.2526, 88.8096, 66.7261



82.6277, 93.4523, 72.0770



19.1799, 20.3279, 19.0571



31.9066, 31.8244, 4.4611



3.1896, 3.2646, 0.4620



# Inverse Universe

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



67.9958, 69.8379, 102.8254



65.1260, 66.4472, 104.0008



68.6408, 66.1026, 102.0704



17.3478, 18.0673, 22.8230



10.3600, 5.6296, 49.9752

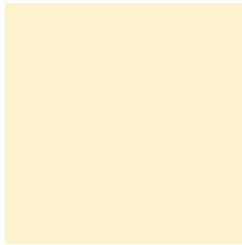


1.0879, 0.7065, 4.8923



# Previews

## White Background



This preview shows how the XYZ color 83.4007, 88.8431, 71.1453 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

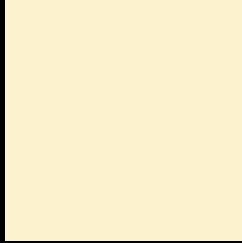
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 83.4007, 88.8431, 71.1453 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

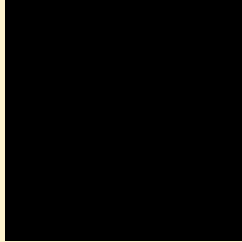
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 83.4007, 88.8431, 71.1453

## Background



This preview shows how black text looks on a background with the XYZ color 83.4007, 88.8431, 71.1453.



This preview shows how white text looks on a background with the XYZ color 83.4007, 88.8431,

71.1453.

# 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

83.4007, 88.8431, 71.1453

### Protanopia

83.8359, 88.6268, 71.0806

### Deuteranopia

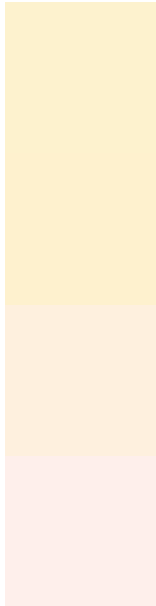
86.5303, 88.7625, 88.1735



## Tritanopia

88.9368, 88.7934, 103.7182

# Trichromacy



## Original Color

83.4007, 88.8431, 71.1453

## Protanomaly

83.4689, 88.4377, 71.0634

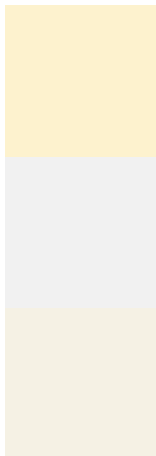
## Deuteranomaly

85.2180, 88.6649, 81.7298

## Tritanomaly

86.7349, 88.8020, 91.1663

# Monochromacy



## Original Color

83.4007, 88.8431, 71.1453

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

83.1151, 87.9245, 85.9893

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 83.4007, 88.8431, 71.1453 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(253, 242, 206)` looks like.

```
.text, #text, p{  
    color:rgb(253, 242, 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(253, 242, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 242, 206) }
```

## Border

The CSS property to change the border of an element to XYZ 83.4007, 88.8431, 71.1453 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(253, 242, 206) }
```



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

```
.border{ border-color:rgb(253, 242, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 242, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 242, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 242, 206);  
box-shadow:4px 4px 4px 4px rgb(253, 242,  
206) }
```

# Background

The CSS property to change the background color of an element to XYZ 83.4007, 88.8431, 71.1453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 242, 206) }
```

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

```
.background{ background-color: rgb(253,  
242, 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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