

# Converting Colors

XYZ(74.9054, 81.5616, 43.5388)

Have a look what the booklet for  
XYZ(74.9054, 81.5616, 43.5388)  
contains.

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# Color

**XYZ(74.9330, 81.6040,  
43.7000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAEA9D
RGB	250, 234, 157
RGB Percent	98%, 92%, 62%
CMY	0.0196, 0.0823, 0.3843
CMYK	0.00, 0.06, 0.37, 0.02
HSL	50°, 90%, 80%
HSV	50°, 37%, 98%
XYZ	74.9330, 81.6040, 43.7000
YIQ	230.0060, 34.2530, -20.5550

# Conversions

## Conversions Part 2

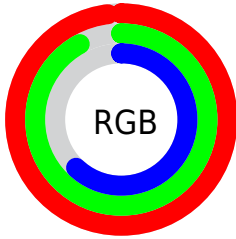
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	176, 250, 157
Decimal	16444061
CIE <sub>Lab</sub>	92.40, -5.34, 39.37
CIE <sub>LCh</sub>	92, 39.730, 97.725
Yxy	81.6040, 0.3742, 0.4075
Android (android.graphics.Color)	4294634141 (0xFFFAEA9D)
YUV	230.0060, -35.9920, 17.5347
Hunter-Lab	90.3349, -10.0200, 34.5526

# Details

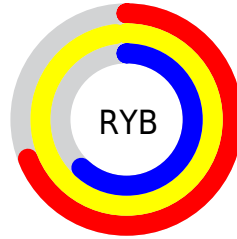
The XYZ color **74.9330, 81.6040, 43.7000** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **46.1032, 43.9560, 96.4970**, and the grayscale version is **75.4603, 79.3901, 86.4558**.

A 20% lighter version of the original color is **88.8837, 97.5335, 76.4285**, and **40.2084, 44.0672, 19.7512** is the 20% darker color. If you saturate the color by 10%, you get **71.8047, 78.4207, 33.1828**, and if you desaturate by 10%, it is **78.5318, 85.0289, 56.5304**.

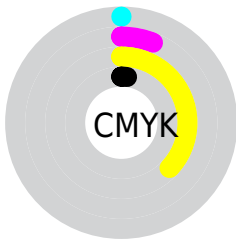
# Distribution



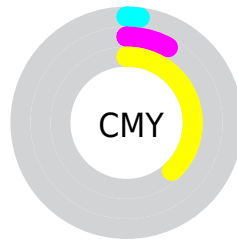
- Red (98%)
- Green (92%)
- Blue (62%)



- Red (69%)
- Yellow (98%)
- Blue (62%)



- Cyan (0%)
- Magenta (6%)
- Yellow (37%)
- Black (2%)




- Cyan (2%)
- Magenta (8%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9330, 81.6040, 43.7000 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 74.9330, 81.6040, 43.7000 by changing the saturation by 10% instead.





 74.9330, 81.6040,  
43.7000


 74.9330, 81.6040,  
43.7000


466.6880,  
500.3221, 377.4881

 55.8520, 61.0392,  
30.0993


 125.2059,  
135.6185, 82.0638

 40.3208, 44.2568,  
19.6613


 157.1286,  
169.8370, 107.6639

 27.9741, 30.8724,  
11.9674


194.0624,  
209.3755, 138.1009

 18.4465, 20.5017,  
6.5992

236.3729,  
254.6185, 173.7934

 11.3726, 12.7603,  
3.1381

284.4254,  
305.9502, 215.1598

 6.3872, 7.2637,  
1.1656

338.5851,

 3.1248, 3.6275,

363.7551, 262.6187

0.0000

399.2175,  
428.4176, 316.5886

■ 1.2201, 1.4675,  
0.0000

■ 0.1221, 0.2657,  
0.0000

■ 74.9330, 81.6040,  
43.7000

■ 74.9330, 81.6040,  
43.7000

■ 71.8047, 78.4207,  
33.1828

■ 78.5318, 85.0289,  
56.5304

■ 69.1139, 75.4567,  
24.8325

■ 82.6198, 88.6944,  
71.7982

■ 66.8325, 72.7033,  
18.4938

■ 87.2219, 92.6137,  
89.6248

■ 64.9265, 70.1466,  
13.9888

■ 92.0354, 96.6661,  
108.4154

■ 63.3561, 67.7703,  
11.1084

■ 93.2344, 99.0640,  
108.8150

■ 62.0698, 65.5535,  
9.5827

■ 61.7385, 64.9523,  
9.2831

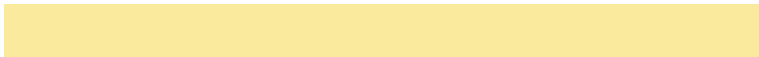
# Harmonies

## Analogous

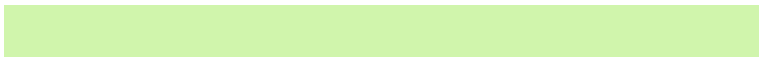
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.3064, 81.6040, 46.0555



74.9330, 81.6040, 43.7000



66.0749, 81.6040, 51.1470

# Triad

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



74.9330, 81.6040, 43.7000



62.9414, 81.6040, 128.2293



97.3497, 81.6040, 112.1093

# Complementary

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



74.9330, 81.6040, 43.7000



46.1032, 43.9560, 96.4970

# 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.



90.3091, 81.6040, 141.6307



74.9330, 81.6040, 43.7000



70.3014, 81.6040, 152.2800

# Square

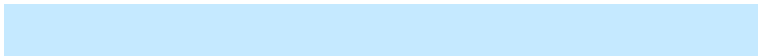
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.9330, 81.6040, 43.7000



59.5617, 81.6040, 96.6890



80.2521, 81.6040, 157.6619



98.8667, 81.6040, 81.4520

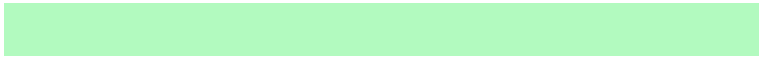


# Rectangle

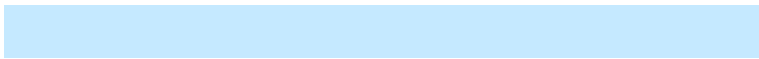
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.9330, 81.6040, 43.7000



62.0074, 81.6040, 61.8994



80.2521, 81.6040, 157.6619



95.5222, 81.6040, 122.6759

# Sweetspot

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



74.9350, 81.6077, 43.7017



89.3386, 95.2840, 86.3199



59.1268, 47.4967, 46.1224



18.9815, 20.2752, 17.9304



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

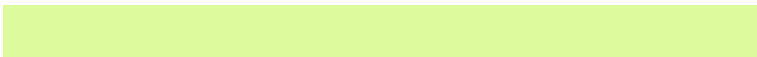
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.9350, 81.6077, 43.7017



75.7765, 82.7297, 36.8823



69.9538, 86.1074, 44.8328



18.4585, 19.6529, 18.2829



32.8420, 34.6407, 4.9554



3.1065, 3.3378, 0.4805



# Inverse Universe

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



46.1032, 43.9560, 96.4970



41.4755, 37.9534, 99.7475



49.6723, 41.5126, 95.8373



16.5243, 17.1254, 21.8199



9.6815, 4.7187, 48.3741

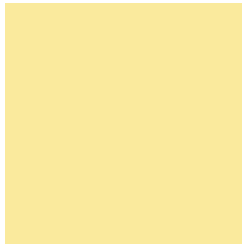


0.9620, 0.5677, 4.5020



# Previews

## White Background



This preview shows how the XYZ color 74.9330, 81.6040, 43.7000 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

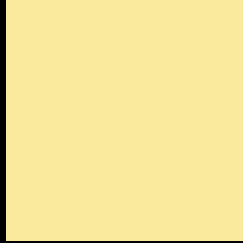
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 74.9330, 81.6040, 43.7000 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 74.9330, 81.6040, 43.7000**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.9330, 81.6040, 43.7000.



This preview shows how white text looks on a background with the XYZ color 74.9330, 81.6040,



# 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

74.9330, 81.6040, 43.7000

### Protanopia

75.7327, 81.5948, 43.6561

### Deuteranopia

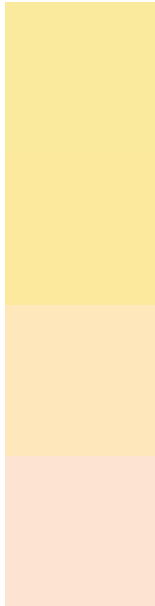
80.1584, 81.6583, 68.6636



## Tritanopia

83.8934, 81.4017, 93.7285

# Trichromacy



## Original Color

74.9330, 81.6040, 43.7000

## Protanomaly

75.3696, 81.4076, 43.6391

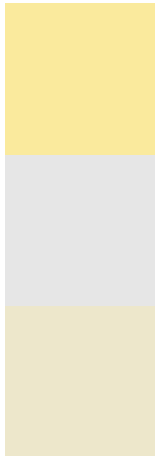
## Deuteranomaly

78.0536, 81.6223, 58.6545

## Tritanomaly

79.8843, 81.0226, 72.4013

# Monochromacy



## Original Color

74.9330, 81.6040, 43.7000

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.2805, 79.4681, 67.9238

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.9330, 81.6040, 43.7000 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, 234, 157)` looks like.

```
.text, #text, p{  
    color:rgb(250, 234, 157)  
}
```

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, 234, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 234, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 74.9330, 81.6040, 43.7000 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, 234, 157) }
```



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

```
.border{ border-color:rgb(250, 234, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 234, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 234, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 234, 157);  
box-shadow:4px 4px 4px 4px rgb(250, 234,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.9330, 81.6040, 43.7000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 234, 157) }
```

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

```
.background{ background-color: rgb(250,  
234, 157) }
```

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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