

# Converting Colors

XYZ(74.4529, 80.3000, 54.9450)

Have a look what the booklet for  
XYZ(74.4529, 80.3000, 54.9450)  
contains.

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# Color

**XYZ(74.4031, 80.2416,  
54.7467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4E8B4
RGB	244, 232, 180
RGB Percent	96%, 91%, 71%
CMY	0.0431, 0.0902, 0.2941
CMYK	0.00, 0.05, 0.26, 0.04
HSL	49°, 74%, 83%
HSV	49°, 26%, 96%
XYZ	74.4031, 80.2416, 54.7467
YIQ	229.6600, 23.8440, -13.6280

# Conversions

## Conversions Part 2

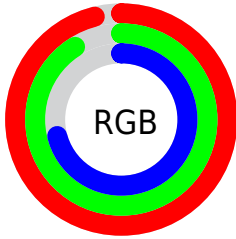
Format	Color
R <sub>Y</sub> B	195, 244, 180
Decimal	16050356
CIE Lab	91.79, -3.82, 26.81
CIE LCh	92, 27.084, 98.101
Yxy	80.2416, 0.3553, 0.3832
Android (android.graphics.Color)	4294240436 (0xFFFF4E8B4)
YUV	229.6600, -24.4824, 12.5762
Hunter-Lab	89.5777, -8.4991, 26.4684

# Details

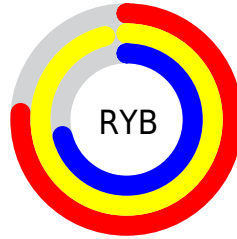
The XYZ color **74.4031, 80.2416, 54.7467** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **54.0009, 53.9330, 93.1523**, and the grayscale version is **75.1271, 79.0395, 86.0741**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **39.8496, 43.1478, 26.3067** is the 20% darker color. If you saturate the color by 10%, you get **70.8632, 76.7954, 42.3642**, and if you desaturate by 10%, it is **78.4183, 83.9371, 69.4483**.

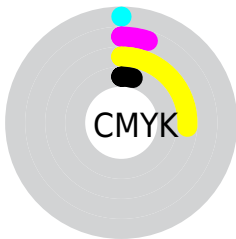
# Distribution



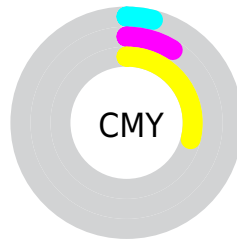
- Red (96%)
- Green (91%)
- Blue (71%)



- Red (76%)
- Yellow (96%)
- Blue (71%)



- Cyan (0%)
- Magenta (5%)
- Yellow (26%)
- Black (4%)




- Cyan (4%)
- Magenta (9%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.4031, 80.2416, 54.7467 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 74.4031, 80.2416, 54.7467 by changing the saturation by 10% instead.





 74.4031, 80.2416,  
54.7467

 74.4031, 80.2416,  
54.7467


464.8923,  
495.7467, 422.2059

 55.4165, 59.9172,  
38.8017


 124.4595,  
133.7054, 98.6372

 39.9704, 43.3519,  
26.2989


156.2600,  
167.6135, 127.4197

 27.6996, 30.1613,  
16.8196


193.0625,  
206.8183, 161.3186

 18.2386, 19.9611,  
9.9454

235.2323,  
251.7042, 200.7522

 11.2222, 12.3667,  
5.2576

283.1348,  
302.6556, 246.1393

 6.2849, 6.9940,  
2.3378

337.1355,

 3.0614, 3.4583,

360.0569, 297.8982

0.7523

397.5995,  
424.2925, 356.4475

■ 1.1863, 1.3754,  
0.0000

■ 0.0955, 0.1985,  
0.0000

■ 74.4031, 80.2416,  
54.7467

■ 74.4031, 80.2416,  
54.7467

■ 70.8632, 76.7954,  
42.3642

■ 78.4183, 83.9371,  
69.4483

■ 67.7692, 73.5780,  
32.1747

■ 82.9240, 87.8800,  
86.5759

■ 65.0978, 70.5824,  
24.0481

■ 87.9425, 92.0824,  
106.2361

■ 62.8210, 67.7970,  
17.8382

■ 89.6367, 95.0098,  
108.2221

■ 60.9073, 65.2089,  
13.3796

■ 91.0773, 97.8910,  
108.7023

■ 59.3196, 62.8027,  
10.4791

■ 91.1184, 97.9732,  
108.7160

■ 58.0120, 60.5596,  
8.8958

■ 57.5644, 59.7451,  
8.4980

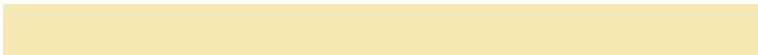
# Harmonies

## Analogous

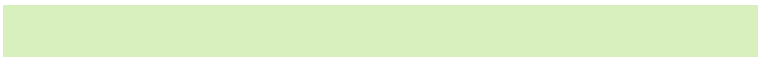
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.3507, 80.2416, 56.5043



74.4031, 80.2416, 54.7467



68.3298, 80.2416, 60.6262

# Triad

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



74.4031, 80.2416, 54.7467



66.2457, 80.2416, 113.1224



89.3237, 80.2416, 102.4044

# Complementary

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



74.4031, 80.2416, 54.7467



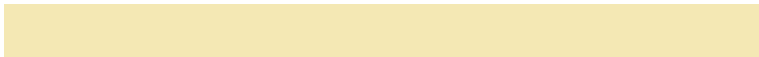
54.0009, 53.9330, 93.1523

# Split Complementary

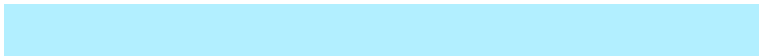
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.7967, 80.2416, 121.0069



74.4031, 80.2416, 54.7467



71.4001, 80.2416, 127.8191

# Square

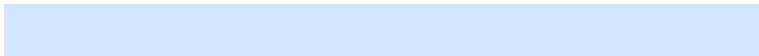
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.4031, 80.2416, 54.7467



63.8102, 80.2416, 92.8636



78.1622, 80.2416, 130.9044



90.2483, 80.2416, 82.0964

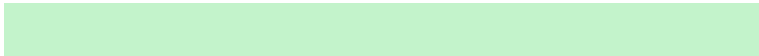


# Rectangle

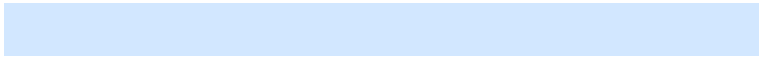
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.4031, 80.2416, 54.7467



65.4951, 80.2416, 68.6995



78.1622, 80.2416, 130.9044



88.1602, 80.2416, 109.1482

# Sweetspot

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



74.4052, 80.2452, 54.7484



90.7301, 96.3399, 92.1081



63.2336, 55.7179, 57.7580



19.2548, 20.4778, 19.0821



0.0000, 0.0000, 0.0000

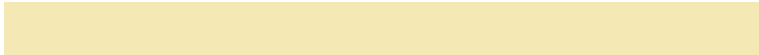


20.3446, 21.4041, 23.3091



# Same Dimension

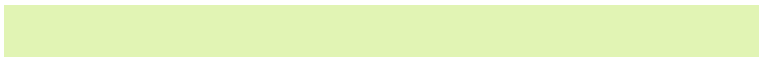
The Same Dimension uses a secret algorithm to generate beautiful new colors.



74.4052, 80.2452, 54.7484



80.2860, 86.8215, 53.5751



71.5786, 83.9727, 55.6168



17.6352, 18.7546, 17.4881



31.3950, 32.6756, 4.6523



2.8260, 3.0052, 0.4311



# Inverse Universe

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



54.0009, 53.9330, 93.1523



54.5229, 53.6036, 102.0806



56.2576, 51.3447, 92.5338



15.8324, 16.4291, 20.8792



9.4766, 4.7470, 46.9548



0.8999, 0.5513, 4.1492



# Previews

## White Background



This preview shows how the XYZ color 74.4031, 80.2416, 54.7467 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 74.4031, 80.2416, 54.7467 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 74.4031, 80.2416, 54.7467**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.4031, 80.2416, 54.7467.



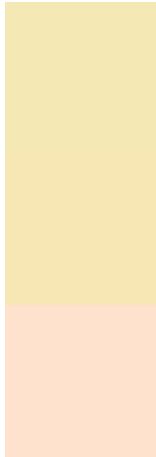
This preview shows how white text looks on a background with the XYZ color 74.4031, 80.2416,



# 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

74.4031, 80.2416, 54.7467

### Protanopia

75.1719, 80.2213, 54.7023

### Deuteranopia

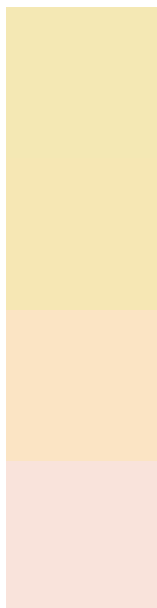
79.4558, 80.0605, 69.0231



## Tritanopia

82.6777, 80.3576, 94.3721

# Trichromacy



## Original Color

74.4031, 80.2416, 54.7467

## Protanomaly

74.8202, 80.0399, 54.6858

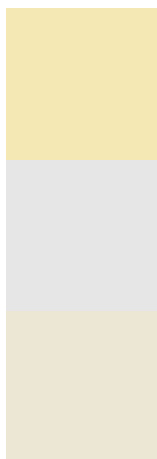
## Deuteranomaly

77.4909, 79.9816, 63.5783

## Tritanomaly

79.3222, 80.1924, 78.3158

# Monochromacy



## Original Color

74.4031, 80.2416, 54.7467

## Achromatopsia

75.2129, 79.1298, 86.1723

## Achromatomaly

74.7205, 79.5675, 73.7072

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.4031, 80.2416, 54.7467 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(244, 232, 180)` looks like.

```
.text, #text, p{  
    color:rgb(244, 232, 180)  
}
```

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(244, 232, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 232, 180) }
```

## Border

The CSS property to change the border of an element to XYZ 74.4031, 80.2416, 54.7467 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(244, 232, 180) }
```



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

```
.border{ border-color:rgb(244, 232, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(244, 232, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 232, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 232, 180);  
box-shadow:4px 4px 4px 4px rgb(244, 232,  
180) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.4031, 80.2416, 54.7467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 232, 180) }
```

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

```
.background{ background-color: rgb(244,  
232, 180) }
```

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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