

# Converting Colors

XYZ(98.2492, 88.4611, 32.5119)

Have a look what the booklet for  
XYZ(98.2492, 88.4611, 32.5119)  
contains.

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# **Color**

**XYZ(71.0589, 74.5579,  
31.4148)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFDD81
RGB	255, 221, 129
RGB Percent	100%, 87%, 51%
CMY	0.0000, 0.1333, 0.4941
CMYK	0.00, 0.13, 0.49, 0.00
HSL	44°, 100%, 75%
HSV	44°, 49%, 100%
XYZ	71.0589, 74.5579, 31.4148
YIQ	220.6780, 49.7960, -21.4040

# Conversions

## Conversions Part 2

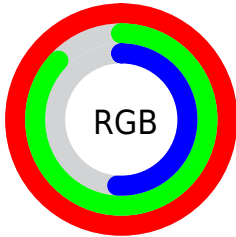
<b>Format</b>	<b>Color</b>
<b>RYB</b>	176, 255, 129
Decimal	16768385
CIELab	89.19, 0.41, 49.20
CIELCh	89, 49.200, 89.519
Yxy	74.5579, 0.4014, 0.4212
Android (android.graphics.Color)	4294958465 (0xFFFFDD81)
YUV	220.6780, -45.1973, 30.1004
Hunter-Lab	86.3469, -4.2111, 38.8719

# Details

The XYZ color **71.0589, 74.5579, 31.4148** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.2000, 38.0801, 99.8388**, and the grayscale version is **68.7854, 72.3676, 78.8084**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **37.7407, 39.5440, 12.6648** is the 20% darker color. If you saturate the color by 10%, you get **67.7921, 70.4068, 22.9815**, and if you desaturate by 10%, it is **74.8267, 79.0341, 42.1031**.

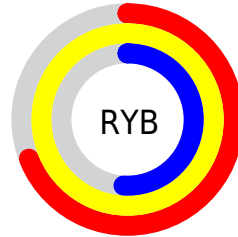
# Distribution



Red (100%)

Green (87%)

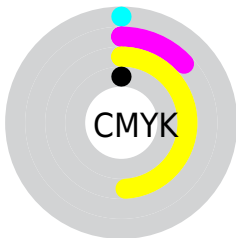
Blue (51%)



Red (69%)

Yellow (100%)

Blue (51%)

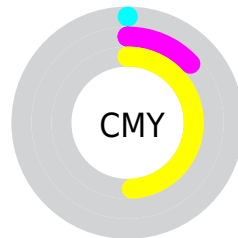


Cyan (0%)

Magenta (13%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 71.0589, 74.5579, 31.4148 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 71.0589, 74.5579, 31.4148 by changing the saturation by 10% instead.



71.0589, 74.5579,  
31.4148

71.0589, 74.5579,  
31.4148

453.4679,  
476.3966, 322.8550

52.6730, 55.2508,  
20.6538

119.7356,  
125.6864, 62.9798

37.7682, 39.6025,  
12.6824

150.7572,  
158.2765, 84.6208

25.9792, 27.2288,  
7.0821

186.7213,  
196.0631, 110.7256

16.9407, 17.7451,  
3.4343

227.9933,  
239.4305, 141.7127

10.2873, 10.7672,  
1.3204

274.9387,  
288.7632, 178.0006

5.6536, 5.9105,  
0.0784

327.9226,

2.6742, 2.7907,

344.4455, 220.0080

0.0000

387.3106,  
406.8619, 268.1532

■ 0.9839, 1.0235,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 71.0589, 74.5579,  
31.4148

■ 71.0589, 74.5579,  
31.4148

■ 67.7921, 70.4068,  
22.9815

■ 74.8267, 79.0341,  
42.1031

■ 64.9879, 66.5556,  
16.6295

■ 79.1197, 83.8381,  
55.1937

■ 62.6106, 62.9915,  
12.1671

■ 83.9669, 88.9856,  
70.8266

■ 60.6157, 59.6951,  
9.3646

■ 89.3932, 94.4879,  
89.1297

■ 58.9354, 56.6379, 95.0499, 99.9999,  
7.8691 108.9000

■ 58.8415, 56.4633,  
7.7972

# Harmonies

## Analogous

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



83.2233, 74.5579, 36.5161



71.0589, 74.5579, 31.4148



60.0951, 74.5579, 36.1915

# Triad

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



71.0589, 74.5579, 31.4148



52.6257, 74.5579, 118.2800



92.6640, 74.5579, 119.5191

# Complementary

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



71.0589, 74.5579, 31.4148



40.2000, 38.0801, 99.8388

# 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.



82.8505, 74.5579, 153.3162



71.0589, 74.5579, 31.4148



59.7951, 74.5579, 152.4703

# Square

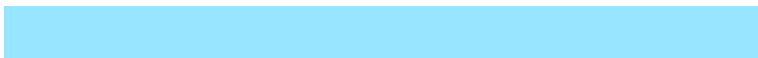
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.0589, 74.5579, 31.4148



50.2086, 74.5579, 80.6275



70.6715, 74.5579, 166.7932



96.5281, 74.5579, 81.7368

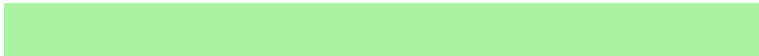


# Rectangle

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



71.0589, 74.5579, 31.4148



54.7260, 74.5579, 45.3988



70.6715, 74.5579, 166.7932



89.9008, 74.5579, 132.0716

# Sweetspot

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



71.0607, 74.5614, 31.4163



86.2877, 91.3684, 78.5633



55.8549, 39.6669, 40.1678



18.2287, 19.3110, 16.0103



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.



71.0607, 74.5614, 31.4163



67.9172, 70.5715, 23.2857



71.6224, 89.5498, 34.2798



19.1224, 20.2130, 19.0380



30.8762, 29.7635, 4.1176



3.0968, 3.0789, 0.4311



# Inverse Universe

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



40.2000, 38.0801, 99.8388



33.9698, 30.4897, 98.7024



39.6694, 30.0193, 98.3109



17.4017, 18.1749, 22.8409



10.6416, 6.1928, 50.0690



1.1219, 0.7744, 4.9036



# Previews

## White Background



This preview shows how the XYZ color 71.0589, 74.5579, 31.4148 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

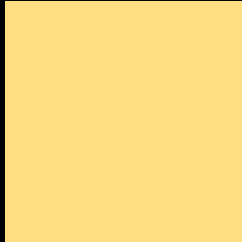
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 71.0589, 74.5579, 31.4148 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 71.0589, 74.5579, 31.4148**

## **Background**



This preview shows how black text looks on a background with the XYZ color 71.0589, 74.5579, 31.4148.



This preview shows how white text looks on a background with the XYZ color 71.0589, 74.5579,



# 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

71.0589, 74.5579, 31.4148

### Protanopia

68.6910, 74.5158, 31.8817

### Deuteranopia

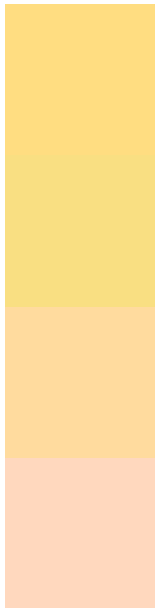
74.0493, 74.4980, 51.0342



## **Tritanopia**

78.6249, 74.2847, 81.4286

# Trichromacy



## Original Color

71.0589, 74.5579, 31.4148

## Protanomaly

69.4839, 74.5268, 31.8420

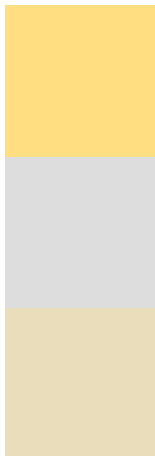
## Deuteranomaly

72.7431, 74.3917, 42.8728

## Tritanomaly

75.0901, 74.0894, 59.0582

# Monochromacy



## Original Color

71.0589, 74.5579, 31.4148

## Achromatopsia

68.7264, 72.3055, 78.7407

## Achromatomaly

68.5378, 72.6674, 57.9908

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 71.0589, 74.5579, 31.4148 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, 221, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 221, 129)  
}
```

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, 221, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 221, 129) }
```

## Border

The CSS property to change the border of an element to XYZ 71.0589, 74.5579, 31.4148 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, 221, 129) }
```



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

```
.border{ border-color:rgb(255, 221, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 221, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 221, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 221, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 221,  
129) }
```

# Background

The CSS property to change the background color of an element to XYZ 71.0589, 74.5579, 31.4148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 221, 129) }
```

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

```
.background{ background-color: rgb(255,  
221, 129) }
```

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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