

Converting Colors

XYZ(89.7556, 83.6104, 34.5010)

Have a look what the booklet for
XYZ(89.7556, 83.6104, 34.5010)
contains.

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Color

**XYZ(71.2064, 74.1957,
33.4899)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDC87
RGB	255, 220, 135
RGB Percent	100%, 86%, 53%
CMY	0.0000, 0.1372, 0.4706
CMYK	0.00, 0.14, 0.47, 0.00
HSL	43°, 100%, 76%
HSV	43°, 47%, 100%
XYZ	71.2064, 74.1957, 33.4899
YIQ	220.7750, 48.1450, -19.0150

Conversions

Conversions Part 2

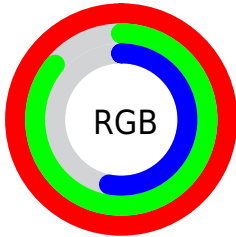
Format	Color
RYB	184, 255, 135
Decimal	16768135
CIELab	89.01, 1.46, 46.06
CIElCh	89, 46.079, 88.182
Yxy	74.1957, 0.3980, 0.4148
Android (android.graphics.Color)	4294958215 (0xFFFFDC87)
YUV	220.7750, -42.2871, 30.0153
Hunter-Lab	86.1369, -3.1799, 37.2440

Details

The XYZ color **71.2064, 74.1957, 33.4899** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **42.4159, 41.1189, 100.3087**, and the grayscale version is **68.8346, 72.4194, 78.8647**.

A 20% lighter version of the original color is **86.1853, 96.4541, 62.2192**, and **37.7814, 39.2706, 13.7723** is the 20% darker color. If you saturate the color by 10%, you get **67.7137, 69.7476, 24.5040**, and if you desaturate by 10%, it is **75.2195, 78.9964, 44.7720**.

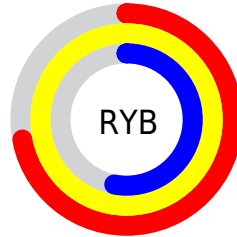
Distribution



Red (100%)

Green (86%)

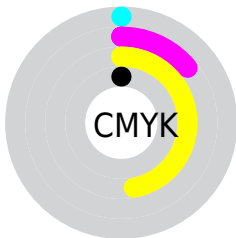
Blue (53%)



Red (72%)

Yellow (100%)

Blue (53%)

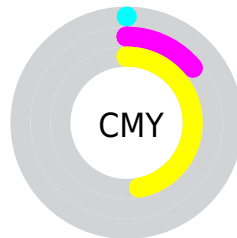


Cyan (0%)

Magenta (14%)

Yellow (47%)

Black (0%)



Cyan (0%)

Magenta (14%)

Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.2064, 74.1957, 33.4899 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 71.2064, 74.1957, 33.4899 by changing the saturation by 10% instead.

71.2064, 74.1957,
33.4899

71.2064, 74.1957,
33.4899

453.9753,
475.1485, 332.5510

52.7938, 54.9542,
22.2278

119.9445,
125.1732, 66.2644

37.8650, 39.3651,
13.8245

151.0007,
157.6780, 88.6140

26.0547, 27.0439,
7.8613

187.0021,
195.3727, 115.4964

16.9974, 17.6062,
3.9198

228.3141,
238.6417, 147.3303

10.3280, 10.6676,
1.5815

275.3021,
287.8694, 184.5341

5.6809, 5.8438,
0.2776

328.3314,

2.6908, 2.7503,

343.4402, 227.5265

0.0000

387.7673,
405.7384, 276.7259

■ 0.9925, 1.0028,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 71.2064, 74.1957,
33.4899

■ 71.2064, 74.1957,
33.4899

■ 67.7137, 69.7476,
24.5040

■ 75.2195, 78.9964,
44.7720

■ 64.7037, 65.6270,
17.6451

■ 79.7768, 84.1527,
58.4942

■ 62.1416, 61.8209,
12.7278

■ 84.9069, 89.6804,
74.7938

■ 59.9847, 58.3102,
9.5325

■ 90.6347, 95.5914,
93.7966

■ 58.1786, 55.0715, 95.0499, 100.0000,
7.7790 108.9000

■ 57.6902, 54.1606,
7.4134

Harmonies

Analogous

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



82.4959, 74.1957, 38.8929



71.2064, 74.1957, 33.4899



60.8309, 74.1957, 37.7030

Triad

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



71.2064, 74.1957, 33.4899



53.1896, 74.1957, 113.5570



90.4496, 74.1957, 117.8641

Complementary

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



71.2064, 74.1957, 33.4899



42.4159, 41.1189, 100.3087

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.



81.1887, 74.1957, 148.2622



71.2064, 74.1957, 33.4899



59.7646, 74.1957, 145.3477

Square

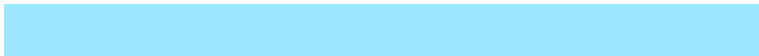
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.2064, 74.1957, 33.4899



51.1109, 74.1957, 78.8451



69.8396, 74.1957, 159.4457



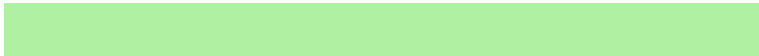
94.3111, 74.1957, 82.7596

Rectangle

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



71.2064, 74.1957, 33.4899



55.6572, 74.1957, 46.2444



69.8396, 74.1957, 159.4457



87.8197, 74.1957, 129.2860

Sweetspot

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



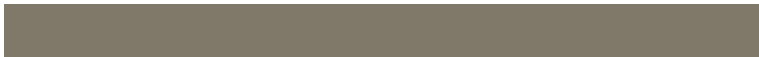
71.2082, 74.1992, 33.4914



86.5940, 91.4469, 80.3121



57.2551, 41.5289, 43.5271



18.2787, 19.3058, 16.3510



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.



71.2082, 74.1992, 33.4914



68.0600, 70.2028, 25.3510



73.0884, 90.2581, 36.4920



19.0875, 20.1433, 19.0263



30.2797, 28.5706, 3.9188



3.0426, 2.9706, 0.4130

Inverse Universe

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



42.4159, 41.1189, 100.3087



36.2872, 33.7372, 99.2071



41.0127, 31.9198, 98.6070



17.4345, 18.2407, 22.8519



10.8346, 6.5789, 50.1334



1.1443, 0.8193, 4.9111

Previews

White Background



This preview shows how the XYZ color 71.2064, 74.1957, 33.4899 looks on a white background.

Color Contrast Check

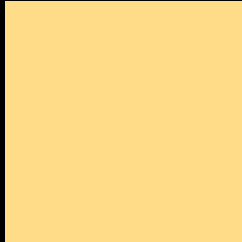
Large Text (above 18pt) WCAG AA × Fail

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 71.2064, 74.1957, 33.4899 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 71.2064, 74.1957, 33.4899

Background



This preview shows how black text looks on a background with the XYZ color 71.2064, 74.1957, 33.4899.



This preview shows how white text looks on a background with the XYZ color 71.2064, 74.1957,

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

71.2064, 74.1957, 33.4899

Protanopia

68.4078, 74.3220, 34.0327

Deuteranopia

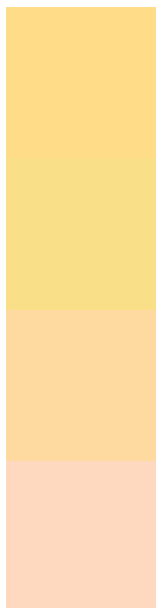
73.6928, 73.9417, 50.4325



Tritanopia

78.6249, 74.2847, 81.4286

Trichromacy



Original Color

71.2064, 74.1957, 33.4899

Protanomaly

69.5430, 74.5094, 34.0090

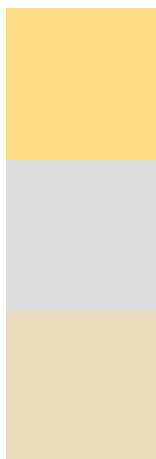
Deuteranomaly

72.6566, 73.9409, 43.7003

Tritanomaly

75.3103, 74.1775, 60.2176

Monochromacy



Original Color

71.2064, 74.1957, 33.4899

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.7550, 72.7542, 59.1344

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.2064, 74.1957, 33.4899 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, 220, 135)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 135)  
}
```

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, 220, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 135) }
```

Border

The CSS property to change the border of an element to XYZ 71.2064, 74.1957, 33.4899 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, 220, 135) }
```


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

```
.border{ border-color:rgb(255, 220, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 220, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 135);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 71.2064, 74.1957, 33.4899 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 220, 135) }
```

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

```
.background{ background-color: rgb(255,  
220, 135) }
```

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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