

Converting Colors

XYZ(76.3729, 77.0475, 33.1428)

Have a look what the booklet for
XYZ(76.3729, 77.0475, 33.1428)
contains.

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Color

**XYZ(71.0668, 74.1399,
32.7551)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDC85
RGB	255, 220, 133
RGB Percent	100%, 86%, 52%
CMY	0.0000, 0.1372, 0.4784
CMYK	0.00, 0.14, 0.48, 0.00
HSL	43°, 100%, 76%
HSV	43°, 48%, 100%
XYZ	71.0668, 74.1399, 32.7551
YIQ	220.5470, 48.7870, -19.6370

Conversions

Conversions Part 2

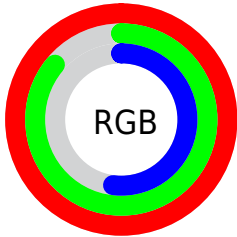
Format	Color
RYB	182, 255, 133
Decimal	16768133
CIELab	88.99, 1.28, 47.01
CIELCh	89, 47.022, 88.442
Yxy	74.1399, 0.3993, 0.4166
Android (android.graphics.Color)	4294958213 (0xFFFFDC85)
YUV	220.5470, -43.1607, 30.2153
Hunter-Lab	86.1045, -3.3571, 37.7186

Details

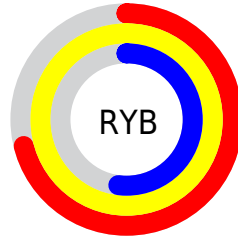
The XYZ color **71.0668, 74.1399, 32.7551** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.7249, 40.2102, 100.1695**, and the grayscale version is **68.6802, 72.2569, 78.6877**.

A 20% lighter version of the original color is **85.9696, 96.3679, 61.0835**, and **37.7053, 39.2401, 13.3714** is the 20% darker color. If you saturate the color by 10%, you get **67.6372, 69.7660, 23.9503**, and if you desaturate by 10%, it is **75.0117, 78.8598, 43.8429**.

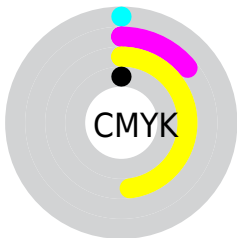
Distribution



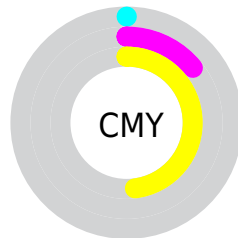
- Red (100%)
- Green (86%)
- Blue (52%)



- Red (71%)
- Yellow (100%)
- Blue (52%)



- Cyan (0%)
- Magenta (14%)
- Yellow (48%)
- Black (0%)




- Cyan (0%)
- Magenta (14%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.0668, 74.1399, 32.7551 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 71.0668, 74.1399, 32.7551 by changing the saturation by 10% instead.


 71.0668, 74.1399,
32.7551

 71.0668, 74.1399,
32.7551


453.4951,
474.9561, 329.1429


 52.6794, 54.9085,
21.6693


 119.7468,
125.0941, 65.1046

 37.7734, 39.3285,
13.4181


 150.7702,
157.5858, 87.2054

 25.9833, 27.0154,
7.5830


 186.7363,
195.2663, 113.8149

 16.9437, 17.5848,
3.7454

228.0105,
238.5201, 145.3518

 10.2894, 10.6523,
1.4867

274.9581,
287.7316, 182.2344

 5.6550, 5.8335,
0.2080

327.9445,

 2.6751, 2.7441,

343.2852, 224.8815

0.0000

387.3351,
405.5652, 273.7114

■ 0.9844, 0.9997,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 71.0668, 74.1399,
32.7551

■ 71.0668, 74.1399,
32.7551

■ 67.6372, 69.7660,
23.9503

■ 75.0117, 78.8598,
43.8429

■ 64.6848, 65.7130,
17.2578

■ 79.4958, 83.9287,
57.3587

■ 62.1747, 61.9679,
12.4902

■ 84.5478, 89.3624,
73.4407

■ 60.0635, 58.5115,
9.4247

■ 90.1928, 95.1726,
92.2155

■ 58.2935, 55.3190,
7.7632

95.0498, 99.9999,
108.9000

■ 57.9386, 54.6574,
7.4962

Harmonies

Analogous

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



82.6009, 74.1399, 38.1095



71.0668, 74.1399, 32.7551



60.5150, 74.1399, 37.0817

Triad

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



71.0668, 74.1399, 32.7551



52.8635, 74.1399, 114.5477



90.8919, 74.1399, 118.3303

Complementary

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



71.0668, 74.1399, 32.7551



41.7249, 40.2102, 100.1695

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.



81.4559, 74.1399, 149.6408



71.0668, 74.1399, 32.7551



59.5851, 74.1399, 147.0740

Square

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



71.0668, 74.1399, 32.7551



50.7111, 74.1399, 79.0270



69.8721, 74.1399, 161.3570



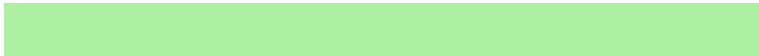
94.7860, 74.1399, 82.4487

Rectangle

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



71.0668, 74.1399, 32.7551



55.2755, 74.1399, 45.7707



69.8721, 74.1399, 161.3570



88.2161, 74.1399, 130.0646

Sweetspot

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



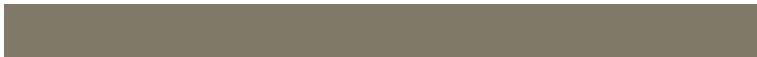
71.0686, 74.1434, 32.7566



86.6456, 91.5500, 80.3293



56.8457, 40.9229, 42.7357



18.2913, 19.3311, 16.3552



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.



71.0686, 74.1434, 32.7566



67.9075, 70.1222, 24.6080



72.8197, 90.1356, 35.7511



19.0952, 20.1585, 19.0289



30.4084, 28.8281, 3.9617



3.0543, 2.9940, 0.4169

Inverse Universe

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



41.7249, 40.2102, 100.1695



35.5585, 32.7558, 99.0561



40.4210, 31.2043, 98.4999



17.4273, 18.2263, 22.8494



10.7909, 6.4914, 50.1188



1.1393, 0.8093, 4.9094

Previews

White Background



This preview shows how the XYZ color 71.0668, 74.1399, 32.7551 looks on a white background.

Color Contrast Check

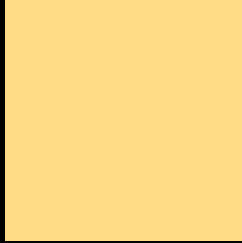
Large Text (above 18pt) WCAG AA × Fail

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 71.0668, 74.1399, 32.7551 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 71.0668, 74.1399, 32.7551

Background



This preview shows how black text looks on a background with the XYZ color 71.0668, 74.1399, 32.7551.



This preview shows how white text looks on a background with the XYZ color 71.0668, 74.1399,

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

71.0668, 74.1399, 32.7551

Protanopia

68.6149, 74.4450, 33.3072

Deuteranopia

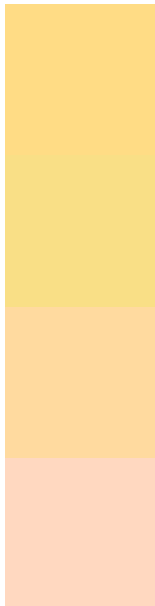
73.6928, 73.9417, 50.4325



Tritanopia

78.6249, 74.2847, 81.4286

Trichromacy



Original Color

71.0668, 74.1399, 32.7551

Protanomaly

69.7577, 74.6363, 33.2839

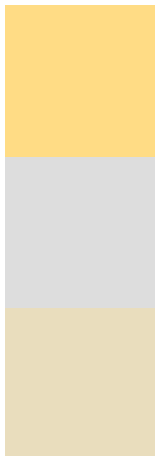
Deuteranomaly

72.5694, 73.9060, 43.2414

Tritanomaly

75.3103, 74.1775, 60.2176

Monochromacy



Original Color

71.0668, 74.1399, 32.7551

Achromatopsia

68.7264, 72.3055, 78.7407

Achromatomaly

68.6460, 72.7107, 58.5606

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.0668, 74.1399, 32.7551 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, 133)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 133)  
}
```

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, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 133) }
```

Border

The CSS property to change the border of an element to XYZ 71.0668, 74.1399, 32.7551 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, 133) }
```


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

```
.border{ border-color:rgb(255, 220, 133) }
```

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, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 133);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 71.0668, 74.1399, 32.7551 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, 133) }
```

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

```
.background{ background-color: rgb(255,  
220, 133) }
```

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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