

Converting Colors

XYZ(70.9686, 74.1076, 32.2160)

Have a look what the booklet for
XYZ(70.9686, 74.1076, 32.2160)
contains.

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Color

**XYZ(70.9981, 74.1123,
32.3929)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDC84
RGB	255, 220, 132
RGB Percent	100%, 86%, 52%
CMY	0.0000, 0.1372, 0.4823
CMYK	0.00, 0.14, 0.48, 0.00
HSL	43°, 100%, 76%
HSV	43°, 48%, 100%
XYZ	70.9981, 74.1123, 32.3929
YIQ	220.4330, 49.1080, -19.9480

Conversions

Conversions Part 2

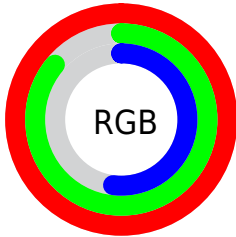
Format	Color
R_{YB}	181, 255, 132
Decimal	16768132
CIE _{Lab}	88.98, 1.19, 47.48
CIE _{LCh}	89, 47.493, 88.566
Y _{xy}	74.1123, 0.4000, 0.4175
Android (android.graphics.Color)	4294958212 (0xFFFFDC84)
YUV	220.4330, -43.5975, 30.3153
Hunter-Lab	86.0885, -3.4440, 37.9526

Details

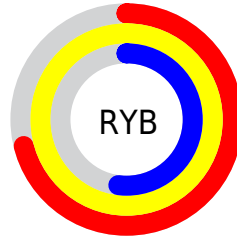
The XYZ color **70.9981, 74.1123, 32.3929** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **41.3841, 39.7617, 100.1013**, and the grayscale version is **68.6030, 72.1757, 78.5993**.

A 20% lighter version of the original color is **85.8629, 96.3252, 60.5215**, and **37.6681, 39.2252, 13.1753** is the 20% darker color. If you saturate the color by 10%, you get **67.5995, 69.7747, 23.6781**, and if you desaturate by 10%, it is **74.9094, 78.7928, 43.3841**.

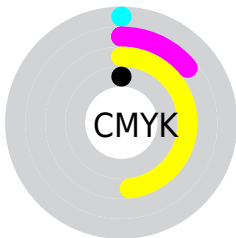
Distribution



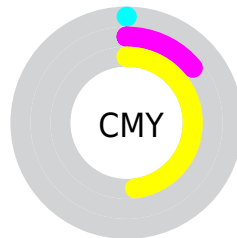
- Red (100%)
- Green (86%)
- Blue (52%)



- 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 70.9981, 74.1123, 32.3929 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 70.9981, 74.1123, 32.3929 by changing the saturation by 10% instead.


 70.9981, 74.1123,
32.3929

 70.9981, 74.1123,
32.3929


453.2587,
474.8609, 327.4529


 52.6232, 54.8860,
21.3945


 119.6495,
125.0550, 64.5316

 37.7283, 39.3104,
13.2186


 150.6568,
157.5401, 86.5089

 25.9481, 27.0013,
7.4468


 186.6055,
195.2136, 112.9830

 16.9173, 17.5742,
3.6604

227.8611,
238.4599, 144.3723

 10.2705, 10.6447,
1.4409

274.7888,
287.6634, 181.0954

 5.6423, 5.8285,
0.1733

327.7541,

 2.6674, 2.7411,

343.2085, 223.5708

0.0000

387.1223,
405.4795, 272.2171

■ 0.9804, 0.9981,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.9981, 74.1123,
32.3929

■ 70.9981, 74.1123,
32.3929

■ 67.5995, 69.7747,
23.6781

■ 74.9094, 78.7928,
43.3841

■ 64.6756, 65.7548,
17.0683

■ 79.3575, 83.8190,
56.7972

■ 62.1911, 62.0395,
12.3749

■ 84.3711, 89.2069,
72.7710

■ 60.1023, 58.6096,
9.3735

■ 89.9753, 94.9681,
91.4323

■ 58.3495, 55.4396, 95.0500, 100.0000,
7.7549 108.9000

■ 58.0604, 54.9009,
7.5368

Harmonies

Analogous

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



82.6541, 74.1123, 37.7236



70.9981, 74.1123, 32.3929



60.3586, 74.1123, 36.7740

Triad

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



70.9981, 74.1123, 32.3929



52.7013, 74.1123, 115.0421



91.1128, 74.1123, 118.5655

Complementary

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



70.9981, 74.1123, 32.3929



41.3841, 39.7617, 100.1013

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.



81.5890, 74.1123, 150.3331



70.9981, 74.1123, 32.3929



59.4954, 74.1123, 147.9389

Square

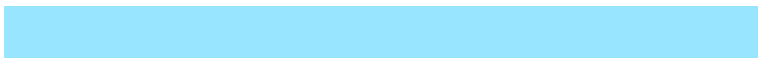
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.9981, 74.1123, 32.3929



50.5128, 74.1123, 79.1163



69.8879, 74.1123, 162.3160



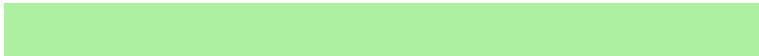
95.0237, 74.1123, 82.2960

Rectangle

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



70.9981, 74.1123, 32.3929



55.0863, 74.1123, 45.5350



69.8879, 74.1123, 162.3160



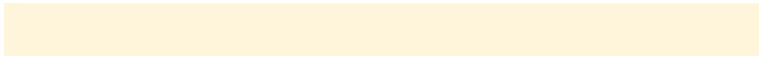
88.4140, 74.1123, 130.4561

Sweetspot

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



70.9999, 74.1158, 32.3944



86.6707, 91.6002, 80.3377



56.6438, 40.6241, 42.3436



18.2974, 19.3434, 16.3573



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.



70.9999, 74.1158, 32.3944



67.6736, 69.8727, 23.8575



72.6868, 90.0753, 35.3860



19.0989, 20.1659, 19.0301



30.4715, 28.9542, 3.9827



3.0601, 3.0055, 0.4188

Inverse Universe

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



41.3841, 39.7617, 100.1013



34.9011, 31.9034, 98.9262



40.1287, 30.8514, 98.4476



17.4238, 18.2192, 22.8483



10.7699, 6.4494, 50.1118



1.1369, 0.8044, 4.9086

Previews

White Background



This preview shows how the XYZ color 70.9981, 74.1123, 32.3929 looks on a white background.

Color Contrast Check

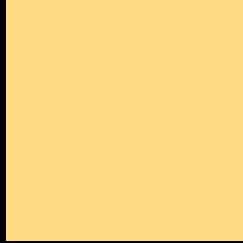
Large Text (above 18pt) WCAG AA × Fail

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 70.9981, 74.1123, 32.3929 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 70.9981, 74.1123, 32.3929

Background



This preview shows how black text looks on a background with the XYZ color 70.9981, 74.1123, 32.3929.



This preview shows how white text looks on a background with the XYZ color 70.9981, 74.1123,

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

70.9981, 74.1123, 32.3929

Protanopia

68.5455, 74.4172, 32.9415

Deuteranopia

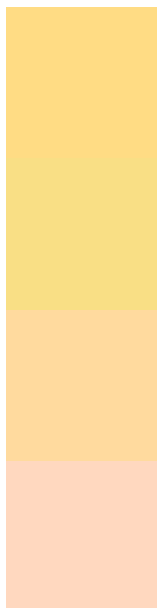
73.5957, 73.9028, 49.9209



Tritanopia

78.6249, 74.2847, 81.4286

Trichromacy



Original Color

70.9981, 74.1123, 32.3929

Protanomaly

69.6882, 74.6085, 32.9182

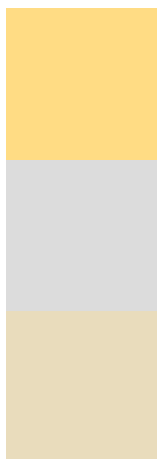
Deuteranomaly

72.4830, 73.8714, 42.7861

Tritanomaly

75.1998, 74.1333, 59.6359

Monochromacy



Original Color

70.9981, 74.1123, 32.3929

Achromatopsia

68.0267, 71.5694, 77.9390

Achromatomaly

68.2746, 72.1409, 57.9031

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9981, 74.1123, 32.3929 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, 132)` looks like.

```
.text, #text, p{  
    color:rgb(255, 220, 132)  
}
```

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, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 220, 132) }
```

Border

The CSS property to change the border of an element to XYZ 70.9981, 74.1123, 32.3929 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, 132) }
```


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

```
.border{ border-color:rgb(255, 220, 132) }
```

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, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 220, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 220, 132);  
box-shadow:4px 4px 4px 4px rgb(255, 220,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9981, 74.1123, 32.3929 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, 132) }
```

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

```
.background{ background-color: rgb(255,  
220, 132) }
```

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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