

Converting Colors

XYZ(70.1405, 72.7251, 31.0963)

Have a look what the booklet for
XYZ(70.1405, 72.7251, 31.0963)
contains.

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Color

**XYZ(70.2739, 72.9878,
31.1531)**

Conversions

Conversions Part 1

Format	Color
Hex	FFDA81
RGB	255, 218, 129
RGB Percent	100%, 85%, 51%
CMY	0.0000, 0.1451, 0.4941
CMYK	0.00, 0.15, 0.49, 0.00
HSL	42°, 100%, 75%
HSV	42°, 49%, 100%
XYZ	70.2739, 72.9878, 31.1531
YIQ	218.9170, 50.6210, -19.8350

Conversions

Conversions Part 2

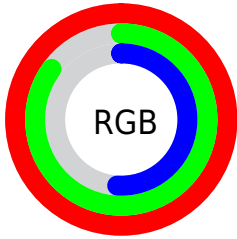
Format	Color
R _Y B	181, 255, 129
Decimal	16767617
CIE Lab	88.44, 1.94, 48.28
CIE LCh	88, 48.323, 87.698
Yxy	72.9878, 0.4029, 0.4185
Android (android.graphics.Color)	4294957697 (0xFFFFDA81)
YUV	218.9170, -44.3291, 31.6448
Hunter-Lab	85.4329, -2.6802, 38.1829

Details

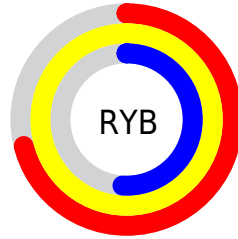
The XYZ color **70.2739, 72.9878, 31.1531** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.7391, 39.1582, 100.0187**, and the grayscale version is **67.5492, 71.0670, 77.3919**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **37.2017, 38.4660, 12.4851** is the 20% darker color. If you saturate the color by 10%, you get **66.8885, 68.5996, 22.6803**, and if you desaturate by 10%, it is **74.1734, 77.7275, 41.8853**.

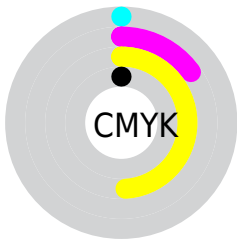
Distribution



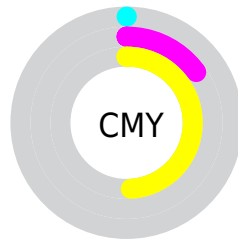
- Red (100%)
- Green (85%)
- Blue (51%)



- Red (71%)
- Yellow (100%)
- Blue (51%)



- Cyan (0%)
- Magenta (15%)
- Yellow (49%)
- Black (0%)





- Cyan (0%)
- Magenta (15%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.2739, 72.9878, 31.1531 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 70.2739, 72.9878, 31.1531 by changing the saturation by 10% instead.


 70.2739, 72.9878,
31.1531

 70.2739, 72.9878,
31.1531


450.7626,
470.9725, 321.6160


 52.0303, 53.9660,
20.4560


 118.6234,
123.4599, 62.5634

 37.2536, 38.5745,
12.5396


 149.4600,
155.6790, 84.1138

 25.5785, 26.4289,
6.9853


 185.2249,
193.0659, 110.1189

 16.6396, 17.1447,
3.3746

226.2836,
236.0051, 140.9974

 10.0716, 10.3377,
1.2889

273.0014,
284.8810, 177.1679

 5.5091, 5.6235,
0.0527

325.7435,

 2.5867, 2.6175,

340.0779, 219.0488

0.0000

384.8755,
401.9803, 267.0586

■ 0.9392, 0.9355,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.2739, 72.9878,
31.1531

■ 70.2739, 72.9878,
31.1531

■ 66.8885, 68.5996,
22.6803

■ 74.1734, 77.7275,
41.8853

■ 63.9789, 64.5375,
16.2931

■ 78.6118, 82.8221,
55.0243

■ 61.5088, 60.7878,
11.7998

■ 83.6180, 88.2877,
70.7102

■ 59.4336, 57.3308,
8.9705

■ 89.2174, 94.1362,
89.0710

■ 57.6852, 54.1373,
7.4524

95.0499, 100.0000,
108.9000

■ 57.5877, 53.9554,
7.3792

Harmonies

Analogous

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



82.0085, 72.9878, 36.7322



70.2739, 72.9878, 31.1531



59.4985, 72.9878, 35.2172

Triad

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



70.2739, 72.9878, 31.1531



51.4133, 72.9878, 113.0730



90.0201, 72.9878, 118.7977

Complementary

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



70.2739, 72.9878, 31.1531



40.7391, 39.1582, 100.0187

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.



80.2831, 72.9878, 150.6446



70.2739, 72.9878, 31.1531



58.1065, 72.9878, 146.7427

Square

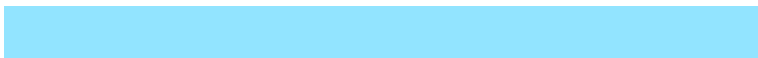
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2739, 72.9878, 31.1531



49.3596, 72.9878, 76.9291



68.4793, 72.9878, 162.0720



94.1740, 72.9878, 82.0689

Rectangle

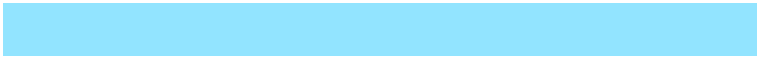
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2739, 72.9878, 31.1531



54.1272, 72.9878, 43.7200



68.4793, 72.9878, 162.0720



87.2417, 72.9878, 130.7771

Sweetspot

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



70.2757, 72.9912, 31.1546



86.0133, 90.8196, 78.4718



56.0473, 39.7438, 41.1805



18.1622, 19.1781, 15.9882



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.



70.2757, 72.9912, 31.1546



67.0181, 68.7735, 22.9860



72.2916, 89.8949, 34.3111



19.0844, 20.1369, 19.0253



30.2265, 28.4642, 3.9010



3.0378, 2.9609, 0.4114

Inverse Universe

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



40.7391, 39.1582, 100.0187



34.5266, 31.6033, 98.8880



39.2655, 29.8110, 98.2922



17.4375, 18.2467, 22.8529



10.8530, 6.6157, 50.1395



1.1464, 0.8236, 4.9118

Previews

White Background



This preview shows how the XYZ color 70.2739, 72.9878, 31.1531 looks on a white background.

Color Contrast Check

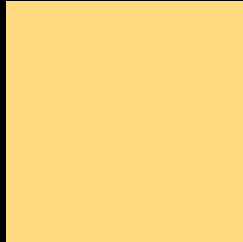
Large Text (above 18pt) WCAG AA × Fail

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 70.2739, 72.9878, 31.1531 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 70.2739, 72.9878, 31.1531

Background



This preview shows how black text looks on a background with the XYZ color 70.2739, 72.9878, 31.1531.



This preview shows how white text looks on a background with the XYZ color 70.2739, 72.9878,

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

70.2739, 72.9878, 31.1531

Protanopia

67.1802, 72.9359, 32.0100

Deuteranopia

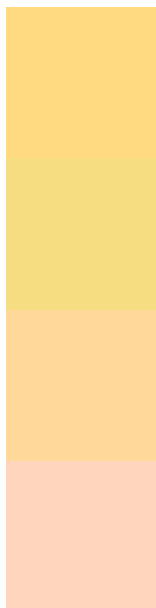
72.6083, 72.6880, 47.2491



Tritanopia

77.8535, 73.1762, 79.8331

Trichromacy



Original Color

70.2739, 72.9878, 31.1531

Protanomaly

68.2435, 73.0988, 31.6317

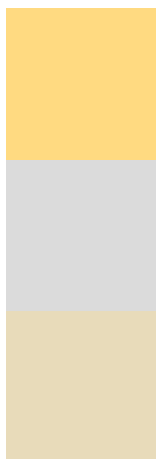
Deuteranomaly

71.6286, 72.7048, 40.8301

Tritanomaly

74.4719, 73.0273, 58.3147

Monochromacy



Original Color

70.2739, 72.9878, 31.1531

Achromatopsia

67.3311, 70.8376, 77.1421

Achromatomaly

67.4732, 71.3640, 56.6728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.2739, 72.9878, 31.1531 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, 218, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 218, 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, 218, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 218, 129) }
```

Border

The CSS property to change the border of an element to XYZ 70.2739, 72.9878, 31.1531 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, 218, 129) }
```


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

```
.border{ border-color:rgb(255, 218, 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, 218, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 218, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 218, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 218,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 70.2739, 72.9878, 31.1531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 218, 129) }
```

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

```
.background{ background-color: rgb(255,  
218, 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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