

Converting Colors

XYZ(81.7565, 78.4833, 31.5818)

Have a look what the booklet for
XYZ(81.7565, 78.4833, 31.5818)
contains.

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Color

**XYZ(70.0153, 72.4707,
31.0669)**

Conversions

Conversions Part 1

Format	Color
Hex	FFD981
RGB	255, 217, 129
RGB Percent	100%, 85%, 51%
CMY	0.0000, 0.1490, 0.4941
CMYK	0.00, 0.15, 0.49, 0.00
HSL	42°, 100%, 75%
HSV	42°, 49%, 100%
XYZ	70.0153, 72.4707, 31.0669
YIQ	218.3300, 50.8960, -19.3120

Conversions

Conversions Part 2

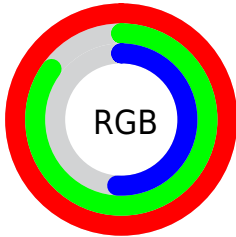
Format	Color
R_{YB}	183, 255, 129
Decimal	16767361
CIE _{Lab}	88.19, 2.45, 47.98
CIE _{LCh}	88, 48.042, 87.075
Yxy	72.4707, 0.4034, 0.4176
Android (android.graphics.Color)	4294957441 (0xFFFFD981)
YUV	218.3300, -44.0397, 32.1596
Hunter-Lab	85.1297, -2.1689, 37.9538

Details

The XYZ color **70.0153, 72.4707, 31.0669** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **40.9215, 39.5231, 100.0793**, and the grayscale version is **67.1400, 70.6365, 76.9231**.

A 20% lighter version of the original color is **85.5472, 96.1989, 58.8592**, and **37.0248, 38.1122, 12.4262** is the 20% darker color. If you saturate the color by 10%, you get **66.5918, 68.0062, 22.5814**, and if you desaturate by 10%, it is **73.9576, 77.2959, 41.8133**.

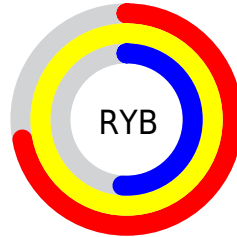
Distribution



Red (100%)

Green (85%)

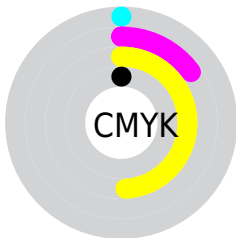
Blue (51%)



Red (72%)

Yellow (100%)

Blue (51%)

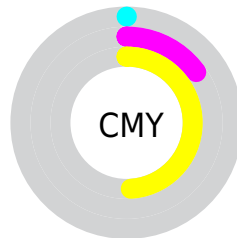


Cyan (0%)

Magenta (15%)

Yellow (49%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0153, 72.4707, 31.0669 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 70.0153, 72.4707, 31.0669 by changing the saturation by 10% instead.

70.0153, 72.4707,
31.0669

70.0153, 72.4707,
31.0669

449.8693,
469.1783, 321.2071

51.8186, 53.5433,
20.3909

118.2567,
122.7255, 62.4262

37.0842, 38.2366,
12.4926

149.0322,
154.8217, 83.9466

25.4467, 26.1664,
6.9535

184.7313,
192.0762, 109.9188

16.5407, 16.9482,
3.3550

225.7195,
234.8735, 140.7615

10.0008, 10.1975,
1.2787

272.3620,
283.5980, 176.8931

5.4618, 5.5301,
0.0442

325.0242,

2.5582, 2.5615,

338.6340, 218.7322

0.0000

384.0716,
400.3660, 266.6974

■ 0.9247, 0.9074,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 70.0153, 72.4707,
31.0669

■ 70.0153, 72.4707,
31.0669

■ 66.5918, 68.0062,
22.5814

■ 73.9576, 77.2959,
41.8133

■ 63.6485, 63.8768,
16.1830

■ 78.4435, 82.4856,
54.9682

■ 61.1493, 60.0689,
11.6800

■ 83.5020, 88.0560,
70.6715

■ 59.0493, 56.5622,
8.8424

■ 89.1587, 94.0191,
89.0514

■ 57.2803, 53.3276,
7.3174

95.0499, 99.9999,
108.9000

■ 57.1817, 53.1435,
7.2439

Harmonies

Analogous

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



81.6081, 72.4707, 36.8056



70.0153, 72.4707, 31.0669



59.3020, 72.4707, 34.8968

Triad

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



70.0153, 72.4707, 31.0669



51.0141, 72.4707, 111.3723



89.1514, 72.4707, 118.5615

Complementary

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



70.0153, 72.4707, 31.0669



40.9215, 39.5231, 100.0793

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.



79.4402, 72.4707, 149.7644



70.0153, 72.4707, 31.0669



57.5515, 72.4707, 144.8671

Square

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



70.0153, 72.4707, 31.0669



49.0797, 72.4707, 75.7219



67.7595, 72.4707, 160.5208



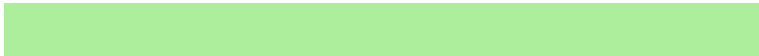
93.3995, 72.4707, 82.1828

Rectangle

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



70.0153, 72.4707, 31.0669



53.9298, 72.4707, 43.1698



67.7595, 72.4707, 160.5208



86.3683, 72.4707, 130.3511

Sweetspot

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



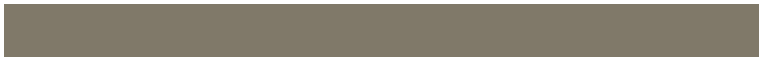
70.0171, 72.4741, 31.0684



85.9222, 90.6373, 78.4414



56.2426, 39.8220, 42.2098



18.1402, 19.1340, 15.9808



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.



70.0171, 72.4741, 31.0684



66.7230, 68.1831, 22.8876



72.9688, 90.2439, 34.3427



19.0717, 20.1116, 19.0211



30.0161, 28.0434, 3.8309



3.0186, 2.9225, 0.4050

Inverse Universe

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



40.9215, 39.5231, 100.0793



34.7160, 31.9821, 98.9512



38.8685, 29.6064, 98.2734



17.4495, 18.2706, 22.8568



10.9279, 6.7655, 50.1645



1.1550, 0.8407, 4.9147

Previews

White Background



This preview shows how the XYZ color 70.0153, 72.4707, 31.0669 looks on a white background.

Color Contrast Check

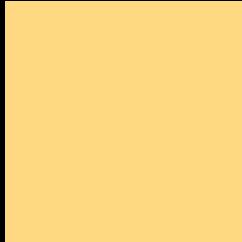
Large Text (above 18pt) WCAG AA × Fail

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 70.0153, 72.4707, 31.0669 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 70.0153, 72.4707, 31.0669

Background



This preview shows how black text looks on a background with the XYZ color 70.0153, 72.4707, 31.0669.



This preview shows how white text looks on a background with the XYZ color 70.0153, 72.4707,

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

70.0153, 72.4707, 31.0669

Protanopia

66.8360, 72.7585, 31.9939

Deuteranopia

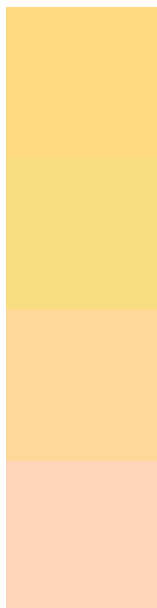
72.4234, 72.6141, 46.2752



Tritanopia

77.4714, 72.6271, 79.0425

Trichromacy



Original Color

70.0153, 72.4707, 31.0669

Protanomaly

67.9802, 72.5723, 31.5440

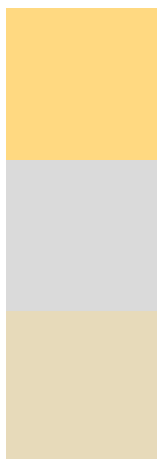
Deuteranomaly

71.5456, 72.6716, 40.3932

Tritanomaly

74.1114, 72.4793, 57.6608

Monochromacy



Original Color

70.0153, 72.4707, 31.0669

Achromatopsia

66.6397, 70.1102, 76.3500

Achromatomaly

66.8893, 70.6769, 56.5709

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.0153, 72.4707, 31.0669 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, 217, 129)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 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, 217, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 129) }
```

Border

The CSS property to change the border of an element to XYZ 70.0153, 72.4707, 31.0669 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, 217, 129) }
```


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

```
.border{ border-color:rgb(255, 217, 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, 217, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 129);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 70.0153, 72.4707, 31.0669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 129) }
```

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

```
.background{ background-color: rgb(255,  
217, 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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