

Converting Colors

XYZ(71.7854, 76.5123, 30.1110)

Have a look what the booklet for
XYZ(71.7854, 76.5123, 30.1110)
contains.

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Color

**XYZ(71.8033, 76.5657,
30.0630)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE17C
RGB	255, 225, 124
RGB Percent	100%, 88%, 49%
CMY	0.0000, 0.1176, 0.5137
CMYK	0.00, 0.12, 0.51, 0.00
HSL	46°, 100%, 74%
HSV	46°, 51%, 100%
XYZ	71.8033, 76.5657, 30.0630
YIQ	222.4560, 50.3010, -25.0510

Conversions

Conversions Part 2

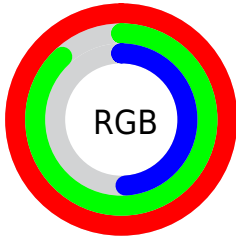
Format	Color
R_{YB}	163, 255, 124
Decimal	16769404
CIE _{Lab}	90.12, -2.04, 52.73
CIE _{LCh}	90, 52.774, 92.217
Yxy	76.5657, 0.4024, 0.4291
Android (android.graphics.Color)	4294959484 (0xFFFFE17C)
YUV	222.4560, -48.5388, 28.5411
Hunter-Lab	87.5018, -6.6525, 40.8810

Details

The XYZ color **71.8033, 76.5657, 30.0630** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **37.9174, 34.6150, 99.2902**, and the grayscale version is **70.0632, 73.7120, 80.2724**.

A 20% lighter version of the original color is **85.1367, 96.0347, 56.6972**, and **38.3094, 40.9531, 12.0165** is the 20% darker color. If you saturate the color by 10%, you get **68.8437, 72.9022, 22.1232**, and if you desaturate by 10%, it is **75.2375, 80.5111, 40.2195**.

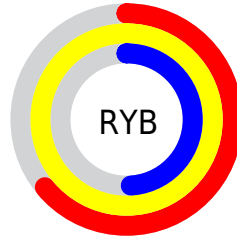
Distribution



Red (100%)

Green (88%)

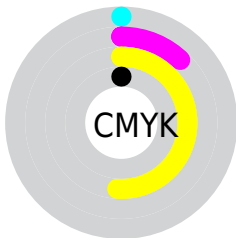
Blue (49%)



Red (64%)

Yellow (100%)

Blue (49%)

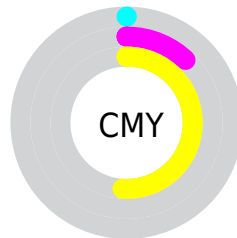


Cyan (0%)

Magenta (12%)

Yellow (51%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.8033, 76.5657, 30.0630 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 71.8033, 76.5657, 30.0630 by changing the saturation by 10% instead.


 71.8033, 76.5657,
30.0630

 71.8033, 76.5657,
30.0630


456.0249,
483.2820, 316.4144


 53.2829, 56.8965,
19.6340


 120.7891,
128.5262, 60.8240

 38.2570, 40.9221,
11.9478


 151.9853,
161.5864, 81.9930

 26.3604, 28.2583,
6.5860


 188.1374,
199.8789, 107.5791

 17.2275, 18.5204,
3.1301

229.6109,
243.7883, 138.0008

 10.4931, 11.3243,
1.1614

276.7710,
293.6989, 173.6766

 5.7919, 6.2854,
0.0000

329.9831,

 2.7584, 3.0194,

349.9951, 215.0251

0.0000

389.6127,
413.0614, 262.4649

■ 1.0273, 1.1419,
0.0000

■ 0.0000, 0.0134,
0.0000

■ 71.8033, 76.5657,
30.0630

■ 71.8033, 76.5657,
30.0630

■ 68.8437, 72.9022,
22.1232

■ 75.2375, 80.5111,
40.2195

■ 66.3198, 69.4956,
16.2224

■ 79.1706, 84.7405,
52.7427

■ 64.1952, 66.3334,
12.1630

■ 83.6318, 89.2691,
67.7749

■ 62.4239, 63.3963,
9.7058

■ 88.6460, 94.1077,
85.4459

■ 61.1188, 61.0179,
8.5563

94.2367, 99.2666,
105.8763

95.0498, 99.9999,
108.9000

Harmonies

Analogous

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



85.1571, 76.5657, 34.4461



71.8033, 76.5657, 30.0630



60.1537, 76.5657, 36.0176

Triad

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



71.8033, 76.5657, 30.0630



53.4755, 76.5657, 128.0430



97.4103, 76.5657, 121.7156

Complementary

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



71.8033, 76.5657, 30.0630



37.9174, 34.6150, 99.2902

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.



87.0451, 76.5657, 160.5030



71.8033, 76.5657, 30.0630



61.6526, 76.5657, 164.8608

Square

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



71.8033, 76.5657, 30.0630



50.3940, 76.5657, 86.1890



73.7522, 76.5657, 178.2231



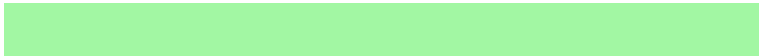
100.9563, 76.5657, 80.6073

Rectangle

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



71.8033, 76.5657, 30.0630



54.6260, 76.5657, 46.5204



73.7522, 76.5657, 178.2231



94.5513, 76.5657, 135.8343

Sweetspot

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



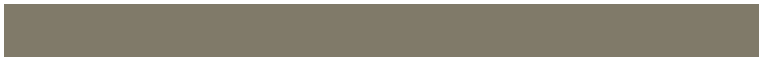
71.8051, 76.5693, 30.0646



86.7614, 92.3158, 78.7212



54.3281, 38.0280, 35.2975



18.3435, 19.5406, 16.0486



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.



71.8051, 76.5693, 30.0646



68.6728, 72.6808, 21.6942



68.9336, 88.2011, 32.4611



19.1879, 20.3439, 19.0598



32.0545, 32.1201, 4.5104



3.2029, 3.2911, 0.4664

Inverse Universe

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



37.9174, 34.6150, 99.2902



31.3701, 26.5579, 98.0805



39.5432, 29.0003, 98.1208



17.3404, 18.0524, 22.8205



10.3243, 5.5582, 49.9633



1.0835, 0.6977, 4.8908

Previews

White Background



This preview shows how the XYZ color 71.8033, 76.5657, 30.0630 looks on a white background.

Color Contrast Check

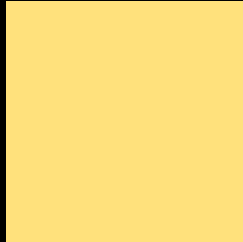
Large Text (above 18pt) WCAG AA × Fail

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 71.8033, 76.5657, 30.0630 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 71.8033, 76.5657, 30.0630

Background



This preview shows how black text looks on a background with the XYZ color 71.8033, 76.5657, 30.0630.



This preview shows how white text looks on a background with the XYZ color 71.8033, 76.5657,

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

71.8033, 76.5657, 30.0630

Protanopia

70.2377, 76.5586, 30.4774

Deuteranopia

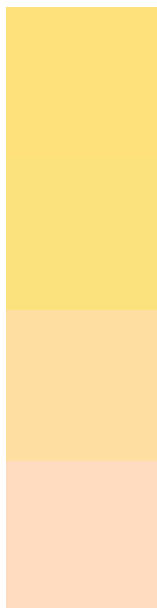
75.5399, 76.3503, 55.0117



Tritanopia

80.1957, 76.5429, 84.6762

Trichromacy



Original Color

71.8033, 76.5657, 30.0630

Protanomaly

70.6817, 76.3826, 30.4200

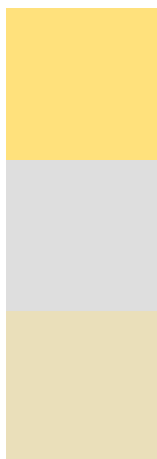
Deuteranomaly

73.7943, 76.0758, 44.5129

Tritanomaly

76.2372, 76.2080, 59.9817

Monochromacy



Original Color

71.8033, 76.5657, 30.0630

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

69.1823, 73.8129, 57.0554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8033, 76.5657, 30.0630 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, 225, 124)` looks like.

```
.text, #text, p{  
    color:rgb(255, 225, 124)  
}
```

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, 225, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 225, 124) }
```

Border

The CSS property to change the border of an element to XYZ 71.8033, 76.5657, 30.0630 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, 225, 124) }
```


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

```
.border{ border-color:rgb(255, 225, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 225, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 225, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 225, 124);  
box-shadow:4px 4px 4px 4px rgb(255, 225,  
124) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8033, 76.5657, 30.0630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 225, 124) }
```

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

```
.background{ background-color: rgb(255,  
225, 124) }
```

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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