

Converting Colors

XYZ(69.4663, 80.2801, 48.3586)

Have a look what the booklet for
XYZ(69.4663, 80.2801, 48.3586)
contains.

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Color

**XYZ(69.5445, 80.4331,
48.4190)**

Conversions

Conversions Part 1

Format	Color
Hex	E4EEA7
RGB	228, 238, 167
RGB Percent	89%, 93%, 65%
CMY	0.1059, 0.0666, 0.3451
CMYK	0.04, 0.00, 0.30, 0.07
HSL	68°, 68%, 79%
HSV	68°, 30%, 93%
XYZ	69.5445, 80.4331, 48.4190
YIQ	226.9160, 16.8310, -24.2010

Conversions

Conversions Part 2

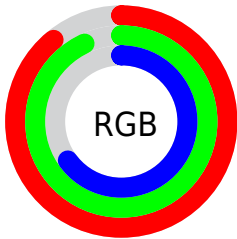
Format	Color
RYB	167, 238, 177
Decimal	15003303
CIELab	91.88, -14.44, 33.34
CIElCh	92, 36.335, 113.422
Yxy	80.4331, 0.3505, 0.4054
Android (android.graphics.Color)	4293193383 (0xFFE4EEA7)
YUV	226.9160, -29.5386, 0.9507
Hunter-Lab	89.6845, -18.5327, 30.7696

Details

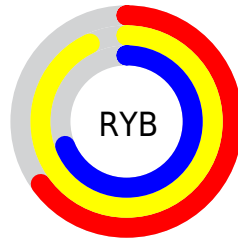
The XYZ color **69.5445, 80.4331, 48.4190** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **47.3860, 43.1598, 86.7267**, and the grayscale version is **73.1538, 76.9635, 83.8132**.

A 20% lighter version of the original color is **90.3193, 98.1077, 83.9884**, and **36.7785, 43.4415, 22.3662** is the 20% darker color. If you saturate the color by 10%, you get **66.4907, 79.0926, 37.8288**, and if you desaturate by 10%, it is **73.0280, 81.9534, 61.1462**.

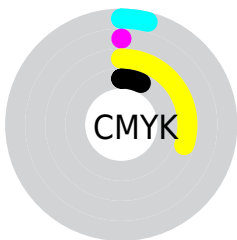
Distribution



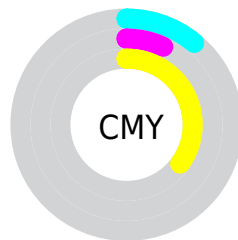
- Red (89%)
- Green (93%)
- Blue (65%)



- Red (65%)
- Yellow (93%)
- Blue (69%)



- Cyan (4%)
- Magenta (0%)
- Yellow (30%)
- Black (7%)



- Cyan (11%)
- Magenta (7%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 69.5445, 80.4331, 48.4190 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 69.5445, 80.4331, 48.4190 by changing the saturation by 10% instead.

69.5445, 80.4331,
48.4190

69.5445, 80.4331,
48.4190

448.2404,
496.3912, 397.0071

51.4335, 60.0748,
33.7965

117.5888,
133.9745, 89.2000

36.7762, 43.4789,
22.4612

148.2528,
167.9264, 116.1955

25.2071, 30.2611,
13.9946

183.8318,
207.1782, 148.1524

16.3610, 20.0368,
7.9782

224.6913,
252.1145, 185.4893

9.8724, 12.4218,
3.9934

271.1966,
303.1195, 228.6246

5.3761, 7.0316,
1.6217

323.7129,

2.5066, 3.4819,

360.5777, 277.9770

0.3063

382.6058,
424.8735, 333.9650

0.8986, 1.3882,
0.0000

0.0000, 0.2080,
0.0000

69.5445, 80.4331,
48.4190

69.5445, 80.4331,
48.4190

66.4907, 79.0926,
37.8288

73.0280, 81.9534,
61.1462

63.8381, 77.9122,
29.2533

76.9558, 83.6510,
76.1135

61.5643, 76.8857,
22.5658

81.3491, 85.5373,
93.4234

59.6419, 76.0021,
17.6231

85.0441, 87.1466,
106.9464

■ 58.0398, 75.2489,
14.2617

■ 86.2023, 87.7437,
107.0006

■ 56.7210, 74.6114,
12.2870

■ 87.3816, 88.3517,
107.0558

■ 55.6238, 74.0648,
11.3757

■ 88.5823, 88.9706,
107.1120

■ 55.6062, 74.0560,
11.3635

■ 89.8044, 89.6007,
107.1692

■ 89.8663, 89.6326,
107.1721

Harmonies

Analogous

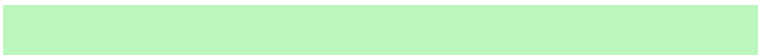
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.5208, 80.4331, 45.8449



69.5445, 80.4331, 48.4190



62.9417, 80.4331, 60.4142

Triad

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



69.5445, 80.4331, 48.4190



66.2590, 80.4331, 135.5991



95.6706, 80.4331, 93.5906

Complementary

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



69.5445, 80.4331, 48.4190



47.3860, 43.1598, 86.7267

Split Complementary

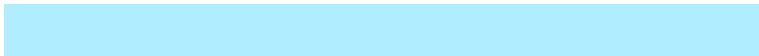
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.7630, 80.4331, 121.8632



69.5445, 80.4331, 48.4190



74.4144, 80.4331, 149.1013

Square

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



69.5445, 80.4331, 48.4190



61.1553, 80.4331, 109.6050



83.7965, 80.4331, 143.6219



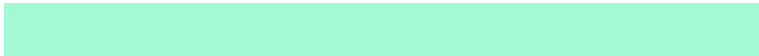
94.1015, 80.4331, 68.7194

Rectangle

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



69.5445, 80.4331, 48.4190



60.5270, 80.4331, 73.7344



83.7965, 80.4331, 143.6219



94.9443, 80.4331, 103.0541

Sweetspot

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



69.5465, 80.4367, 48.4207



90.3928, 98.0008, 90.5330



57.8547, 52.2034, 43.5874



19.1957, 20.9107, 18.7878



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

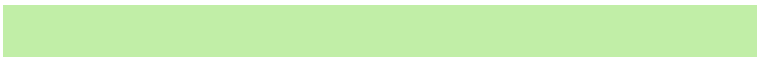
The Same Dimension uses a secret algorithm to generate beautiful new colors.



69.5465, 80.4367, 48.4207



79.0286, 93.0600, 48.5415



59.5533, 75.2850, 47.9530



16.8911, 18.3396, 16.7993



31.1045, 41.3565, 6.3432



2.6471, 3.4712, 0.5305

Inverse Universe

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



47.3860, 43.1598, 86.7267



49.1181, 42.7315, 100.2669



56.3958, 47.8045, 87.1483



15.1044, 15.3355, 19.8856



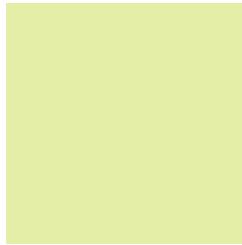
9.0326, 3.6619, 45.3586



0.8152, 0.3375, 3.7764

Previews

White Background



This preview shows how the XYZ color 69.5445, 80.4331, 48.4190 looks on a white background.

Color Contrast Check

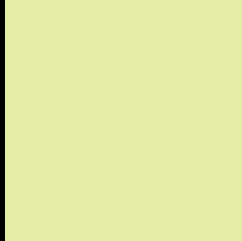
Large Text (above 18pt) WCAG AA × Fail

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 69.5445, 80.4331, 48.4190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

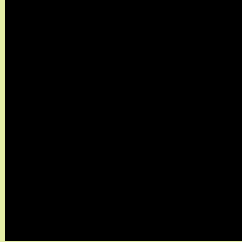
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 69.5445, 80.4331, 48.4190

Background



This preview shows how black text looks on a background with the XYZ color 69.5445, 80.4331, 48.4190.

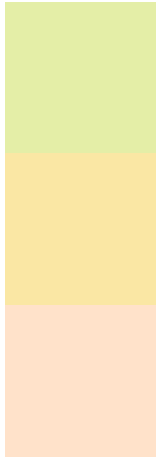


This preview shows how white text looks on a background with the XYZ color 69.5445, 80.4331,

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

69.5445, 80.4331, 48.4190

Protanopia

74.7011, 80.1562, 46.6565

Deuteranopia

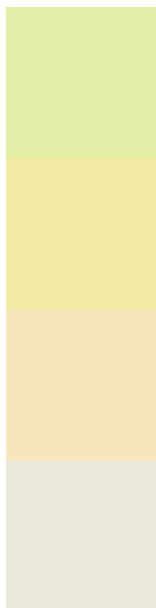
79.0970, 79.9170, 67.1338



Tritanopia

79.6379, 80.3178, 98.4943

Trichromacy



Original Color

69.5445, 80.4331, 48.4190

Protanomaly

72.8323, 80.4395, 47.2850

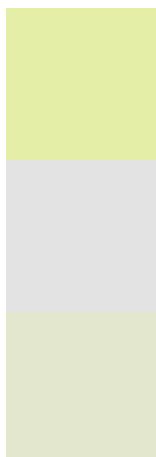
Deuteranomaly

75.1383, 79.6802, 59.5637

Tritanomaly

75.3127, 80.2154, 77.1594

Monochromacy



Original Color

69.5445, 80.4331, 48.4190

Achromatopsia

73.0128, 76.8151, 83.6517

Achromatomaly

71.2739, 77.8905, 69.0354

CSS Examples

Text

The CSS property to change the color of the text to XYZ 69.5445, 80.4331, 48.4190 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(228, 238, 167)` looks like.

```
.text, #text, p{  
    color:rgb(228, 238, 167)  
}
```

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(228, 238, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 238, 167) }
```

Border

The CSS property to change the border of an element to XYZ 69.5445, 80.4331, 48.4190 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(228, 238, 167) }
```


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

```
.border{ border-color:rgb(228, 238, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 238, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 238, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 238, 167);  
box-shadow:4px 4px 4px 4px rgb(228, 238,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 69.5445, 80.4331, 48.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 238, 167) }
```

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

```
.background{ background-color: rgb(228,  
238, 167) }
```

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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