

# Converting Colors

XYZ(70.8554, 78.4705, 51.9693)

Have a look what the booklet for  
XYZ(70.8554, 78.4705, 51.9693)  
contains.

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# Color

**XYZ(70.8554, 78.4705,  
51.9693)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | EBE8AF                      |
| RGB         | 235, 232, 175               |
| RGB Percent | 92%, 91%, 69%               |
| CMY         | 0.0784, 0.0902, 0.3137      |
| CMYK        | 0.00, 0.01, 0.26, 0.08      |
| HSL         | 57°, 60%, 80%               |
| HSV         | 57°, 26%, 92%               |
| XYZ         | 70.8554, 78.4705, 51.9693   |
| YIQ         | 226.3990, 20.0850, -17.0910 |

# Conversions

## Conversions Part 2

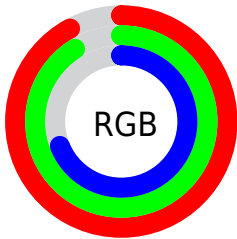
| <b>Format</b>  | <b>Color</b>                                |
|--|---|
| <a href="#">RYB</a>                                  | <a href="#">178, 235, 175</a>               |
| Decimal  | <a href="#">15460527</a>                    |
| <a href="#">CIELab</a>                               | <a href="#">90.99, -7.82, 28.17</a>         |
| <a href="#">CIELCh</a>                               | <a href="#">91, 29.237, 105.507</a>         |
| <a href="#">Yxy</a>                                  | <a href="#">78.4705, 0.3520, 0.3898</a>     |
| <a href="#">Android<br/>(android.graphics.Color)</a> | <a href="#">4293650607<br/>(0xFFE8E8AF)</a> |
| <a href="#">YUV</a>                                  | <a href="#">226.3990, -25.3397, 7.5431</a>  |
| <a href="#">Hunter-Lab</a>                           | <a href="#">88.5836, -12.2444, 27.2249</a>  |

# Details

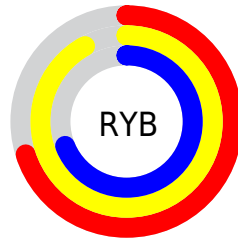
The XYZ color **70.8554, 78.4705, 51.9693** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **48.5948, 46.9518, 85.0989**, and the grayscale version is **72.7468, 76.5353, 83.3470**.

A 20% lighter version of the original color is **91.4238, 98.5495, 89.8047**, and **37.6286, 42.0395, 24.5436** is the 20% darker color. If you saturate the color by 10%, you get **68.4171, 76.9714, 40.7434**, and if you desaturate by 10%, it is **73.7017, 80.1418, 65.3147**.

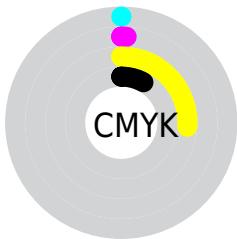
# Distribution



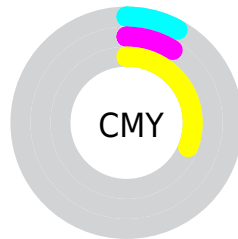
- Red (92%)
- Green (91%)
- Blue (69%)



- Red (70%)
- Yellow (92%)
- Blue (69%)



- Cyan (0%)
- Magenta (1%)
- Yellow (26%)
- Black (8%)



- Cyan (8%)
- Magenta (9%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.8554, 78.4705, 51.9693 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 70.8554, 78.4705, 51.9693 by changing the saturation by 10% instead.



70.8554, 78.4705,  
51.9693

70.8554, 78.4705,  
51.9693

452.7675,  
489.7632, 411.2717

52.5063, 58.4606,  
36.5985

119.4474,  
131.2132, 94.5121

37.6347, 42.1790,  
24.6035

150.4211,  
164.7147, 122.5212

25.8752, 29.2415,  
15.5655

186.3337,  
203.4822, 155.5801

16.8625, 19.2636,  
9.0662

227.5505,  
247.9001, 194.1075

10.2312, 11.8609,  
4.6870

274.4369,  
298.3527, 238.5218

5.6160, 6.6490,  
2.0093

327.3583,

2.6514, 3.2436,

355.2245, 289.2415

0.5610

386.6801,  
418.8999, 346.6853

■ 0.9722, 1.2602,  
0.0000

■ 0.0000, 0.1101,  
0.0000

■ 70.8554, 78.4705,  
51.9693

■ 70.8554, 78.4705,  
51.9693

■ 68.4171, 76.9714,  
40.7434

■ 73.7017, 80.1418,  
65.3147

■ 66.3598, 75.6255,  
31.5224

■ 76.9692, 81.9823,  
80.8763

■ 64.6630, 74.4273,  
24.1886

■ 80.6780, 84.0030,  
98.7508

■ 63.3015, 73.3667,  
18.6098

■ 82.5077, 85.2755,  
106.7189

■ 62.2471, 72.4325,  
14.6370

■ 82.8478, 85.9557,  
106.8323

■ 61.4666, 71.6113,  
12.0962

■ 83.1902, 86.6404,  
106.9464

■ 60.9195, 70.8870,  
10.7734

■ 83.5347, 87.3296,  
107.0613

■ 60.7214, 70.5830,  
10.4235

■ 83.8816, 88.0232,  
107.1769

■ 84.2306, 88.7213,  
107.2932

# Harmonies

## Analogous

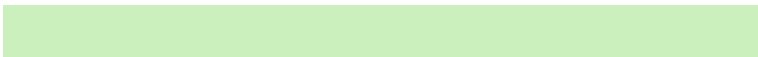
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.1905, 78.4705, 51.8359



70.8554, 78.4705, 51.9693



64.9160, 78.4705, 60.0156

# Triad

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



70.8554, 78.4705, 51.9693



65.0779, 78.4705, 117.8196



89.1776, 78.4705, 96.0165

# Complementary

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



70.8554, 78.4705, 51.9693



48.5948, 46.9518, 85.0989

# Split Complementary

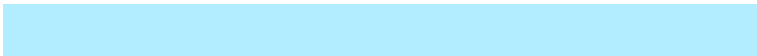
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.1669, 78.4705, 117.1911



70.8554, 78.4705, 51.9693



71.0899, 78.4705, 131.1168

# Square

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



70.8554, 78.4705, 51.9693



61.7333, 78.4705, 96.7688



78.4409, 78.4705, 130.8695



89.1044, 78.4705, 75.0337

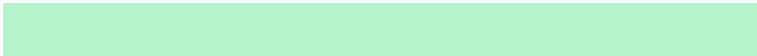


# Rectangle

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



70.8554, 78.4705, 51.9693



62.4058, 78.4705, 69.6811



78.4409, 78.4705, 130.8695



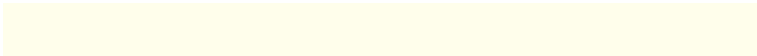
88.2513, 78.4705, 103.4143

# Sweetspot

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



70.8574, 78.4740, 51.9710



91.6137, 98.1072, 92.4026



57.6275, 51.5374, 49.0310



19.4790, 20.9261, 19.1568



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.



70.8574, 78.4740, 51.9710



83.5858, 93.4212, 54.6750



63.4593, 75.9222, 51.8683



16.2838, 17.4906, 16.0365



33.8230, 39.3402, 5.8108



2.6758, 3.1288, 0.4629



# Inverse Universe

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



48.5948, 46.9518, 85.0989



52.2433, 49.0445, 101.3208



54.6833, 49.2157, 85.2150



14.2915, 14.6694, 19.0005



8.4437, 3.5344, 43.9801

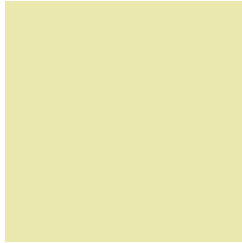


0.6843, 0.3202, 3.4606



# Previews

## White Background



This preview shows how the XYZ color 70.8554, 78.4705, 51.9693 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

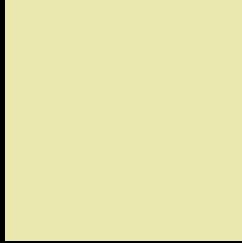
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.8554, 78.4705, 51.9693 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

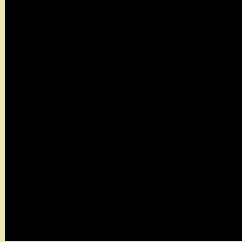
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 70.8554, 78.4705, 51.9693**

## **Background**



This preview shows how black text looks on a background with the XYZ color 70.8554, 78.4705, 51.9693.



This preview shows how white text looks on a background with the XYZ color 70.8554, 78.4705,



# 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

70.8554, 78.4705, 51.9693

### Protanopia

73.3155, 78.5071, 51.3336

### Deuteranopia

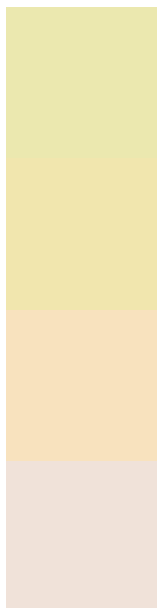
77.8207, 78.1126, 64.4017



## Tritanopia

79.2270, 78.1809, 94.1338

# Trichromacy



## Original Color

70.8554, 78.4705, 51.9693

## Protanomaly

72.2124, 78.3504, 51.3615

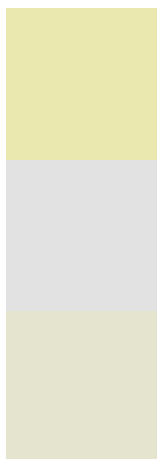
## Deuteranomaly

75.2020, 78.0669, 59.8200

## Tritanomaly

75.6559, 77.9277, 76.6997

# Monochromacy



## Original Color

70.8554, 78.4705, 51.9693

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.3190, 76.6498, 70.0675

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.8554, 78.4705, 51.9693 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(235, 232, 175)` looks like.

```
.text, #text, p{  
    color:rgb(235, 232, 175)  
}
```

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(235, 232, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(235, 232, 175) }
```

## Border

The CSS property to change the border of an element to XYZ 70.8554, 78.4705, 51.9693 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(235, 232, 175) }
```



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

```
.border{ border-color:rgb(235, 232, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(235, 232, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(235, 232, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(235, 232, 175);  
box-shadow:4px 4px 4px 4px rgb(235, 232,  
175) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.8554, 78.4705, 51.9693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(235, 232, 175) }
```

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

```
.background{ background-color: rgb(235,  
232, 175) }
```

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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