

# Converting Colors

XYZ(70.0483, 78.9125, 51.5768)

Have a look what the booklet for  
XYZ(70.0483, 78.9125, 51.5768)  
contains.

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# Color

**XYZ(70.0178, 78.8906,  
51.5815)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | E7EAAE                      |
| RGB         | 231, 234, 174               |
| RGB Percent | 91%, 92%, 68%               |
| CMY         | 0.0941, 0.0823, 0.3176      |
| CMYK        | 0.01, 0.00, 0.26, 0.08      |
| HSL         | 63°, 59%, 80%               |
| HSV         | 63°, 26%, 92%               |
| XYZ         | 70.0178, 78.8906, 51.5815   |
| YIQ         | 226.2630, 17.4720, -19.2960 |

# Conversions

## Conversions Part 2

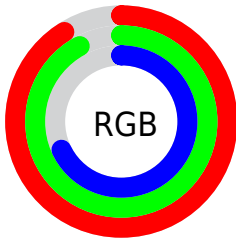
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">174, 234, 177</a>                                |
| Decimal                             | <a href="#">15198894</a>                                     |
| CIELab                              | <a href="#">91.18, -10.43, 28.89</a>                         |
| CIELCh                              | <a href="#">91, 30.717, 109.853</a>                          |
| Yxy                                 | <a href="#">78.8906, 0.3492, 0.3935</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4293388974</a><br>( <a href="#">0xFFE7EAAE</a> ) |
| YUV                                 | <a href="#">226.2630, -25.7657, 4.1543</a>                   |
| Hunter-Lab                          | <a href="#">88.8204, -14.7227, 27.7422</a>                   |

# Details

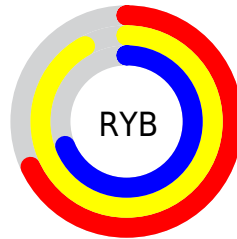
The XYZ color **70.0178, 78.8906, 51.5815** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.1219, 45.5619, 84.1045**, and the grayscale version is **72.6526, 76.4362, 83.2390**.

A 20% lighter version of the original color is **91.2829, 98.4932, 89.0629**, and **37.0508, 42.3352, 24.3079** is the 20% darker color. If you saturate the color by 10%, you get **67.5561, 77.8651, 40.5777**, and if you desaturate by 10%, it is **72.8835, 80.0835, 64.6819**.

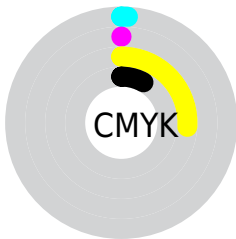
# Distribution



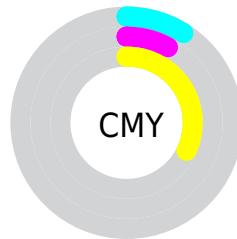
- Red (91%)
- Green (92%)
- Blue (68%)



- Red (68%)
- Yellow (92%)
- Blue (69%)



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



- Cyan (9%)
- Magenta (8%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 70.0178, 78.8906, 51.5815 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 70.0178, 78.8906, 51.5815 by changing the saturation by 10% instead.



70.0178, 78.8906,  
51.5815

70.0178, 78.8906,  
51.5815

449.8779,  
491.1862, 409.7297

51.8207, 58.8059,  
36.2917

118.2603,  
131.8048, 93.9340

37.0859, 42.4569,  
24.3681

149.0363,  
165.4031, 121.8338

25.4480, 29.4592,  
15.3922

184.7361,  
204.2747, 154.7740

16.5416, 19.4285,  
8.9454

225.7249,  
248.8040, 193.1731

10.0015, 11.9803,  
4.6093

272.3682,  
299.3754, 237.4497

5.4622, 6.7303,  
1.9652

325.0312,

2.5585, 3.2940,

356.3733, 288.0223

0.5337

384.0793,  
420.1821, 345.3095

■ 0.9248, 1.2871,  
0.0000

■ 0.0000, 0.1312,  
0.0000

■ 70.0178, 78.8906,  
51.5815

■ 70.0178, 78.8906,  
51.5815

■ 67.5561, 77.8651,  
40.5777

■ 72.8835, 80.0835,  
64.6819

■ 65.4718, 76.9881,  
31.5569


■ 76.1664, 81.4408,  
79.9746


■ 63.7445, 76.2542,  
24.4024


■ 79.8863, 82.9732,  
97.5554

■ 62.3492, 75.6534,  
18.9835


■ 81.9634, 83.8488,  
106.4722


 61.2578, 75.1744,  
15.1523


 82.3533, 84.0497,  
106.4905


 60.4378, 74.8043,  
12.7365


 82.7457, 84.2520,  
106.5088

 59.8487, 74.5269,  
11.5236

 83.1406, 84.4556,  
106.5273

 59.6359, 74.4236,  
11.2220

 83.5381, 84.6605,  
106.5459

 83.9382, 84.8668,  
106.5646

# Harmonies

## Analogous

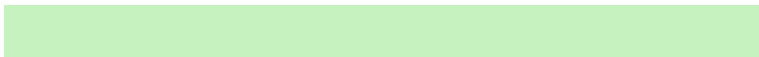
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.6490, 78.8906, 50.2579



70.0178, 78.8906, 51.5815



64.1221, 78.8906, 61.1359

# Triad

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



70.0178, 78.8906, 51.5815



65.7477, 78.8906, 122.9755



90.6897, 78.8906, 93.6676

# Complementary

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



70.0178, 78.8906, 51.5815



48.1219, 45.5619, 84.1045

# Split Complementary

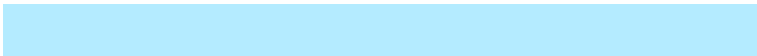
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.0062, 78.8906, 116.5802



70.0178, 78.8906, 51.5815



72.3790, 78.8906, 135.3359

# Square

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



70.0178, 78.8906, 51.5815



61.7774, 78.8906, 101.2814



80.1779, 78.8906, 132.8120



89.9482, 78.8906, 72.1578

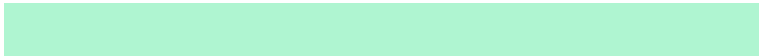


# Rectangle

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



70.0178, 78.8906, 51.5815



61.8005, 78.8906, 71.9741



80.1779, 78.8906, 132.8120



89.9186, 78.8906, 101.5120

# Sweetspot

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



70.0198, 78.8941, 51.5832



91.5627, 98.5618, 92.4931



57.2965, 51.9947, 47.0617



19.4660, 21.0417, 19.1798



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

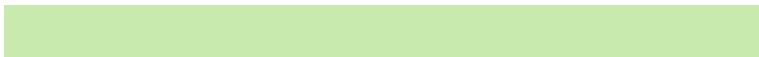
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.0198, 78.8941, 51.5832



83.3897, 95.1693, 55.0228



61.1532, 74.3232, 51.1682



16.2730, 17.5863, 16.0555



33.5431, 41.8366, 6.3074



2.6569, 3.2970, 0.4964



# Inverse Universe

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



48.1219, 45.5619, 84.1045



52.3669, 47.9435, 101.1017



55.7220, 49.4798, 84.4601



14.3010, 14.5849, 18.9837



8.4591, 3.3968, 43.9528



0.6889, 0.2794, 3.4525



# Previews

## White Background



This preview shows how the XYZ color 70.0178, 78.8906, 51.5815 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

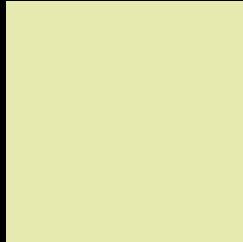
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 70.0178, 78.8906, 51.5815 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

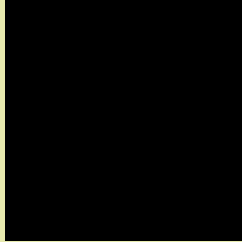
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

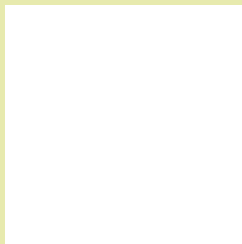
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 70.0178, 78.8906, 51.5815

## Background



This preview shows how black text looks on a background with the XYZ color 70.0178, 78.8906, 51.5815.



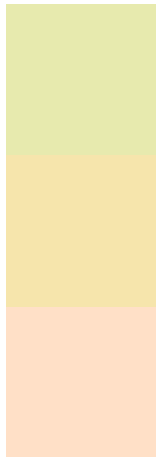
This preview shows how white text looks on a background with the XYZ color 70.0178, 78.8906,



# 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

70.0178, 78.8906, 51.5815

### Protanopia

73.4717, 78.6100, 50.3306

### Deuteranopia

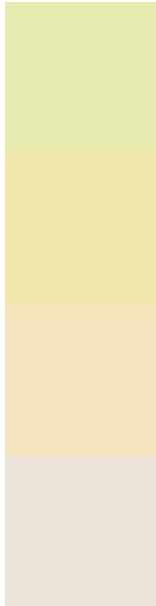
78.2045, 78.6948, 65.1006



## Tritanopia

79.0381, 78.8468, 95.8472

# Trichromacy



## Original Color

70.0178, 78.8906, 51.5815

## Protanomaly

72.3944, 78.8697, 50.9430

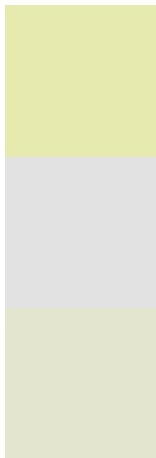
## Deuteranomaly

75.0437, 78.7973, 59.9694

## Tritanomaly

75.3233, 78.5533, 77.5220

# Monochromacy



## Original Color

70.0178, 78.8906, 51.5815

## Achromatopsia

72.2879, 76.0525, 82.8211

## Achromatomaly

71.2767, 77.0376, 70.1445

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 70.0178, 78.8906, 51.5815 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(231, 234, 174)` looks like.

```
.text, #text, p{  
    color:rgb(231, 234, 174)  
}
```

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(231, 234, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 234, 174) }
```

## Border

The CSS property to change the border of an element to XYZ 70.0178, 78.8906, 51.5815 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(231, 234, 174) }
```



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

```
.border{ border-color:rgb(231, 234, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 234, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 234, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 234, 174);  
box-shadow:4px 4px 4px 4px rgb(231, 234,  
174) }
```

# Background

The CSS property to change the background color of an element to XYZ 70.0178, 78.8906, 51.5815 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 234, 174) }
```

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

```
.background{ background-color: rgb(231,  
234, 174) }
```

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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