

Converting Colors

XYZ(49.3171, 51.3242, 38.5447)

Have a look what the booklet for
XYZ(49.3171, 51.3242, 38.5447)
contains.

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Color

**XYZ(49.4376, 51.4886,
38.7851)**

Conversions

Conversions Part 1

Format	Color
Hex	CEBC9C
RGB	206, 188, 156
RGB Percent	81%, 74%, 61%
CMY	0.1922, 0.2627, 0.3882
CMYK	0.00, 0.09, 0.24, 0.19
HSL	38°, 34%, 71%
HSV	38°, 24%, 81%
XYZ	49.4376, 51.4886, 38.7851
YIQ	189.7340, 21.0000, -6.1360

Conversions

Conversions Part 2

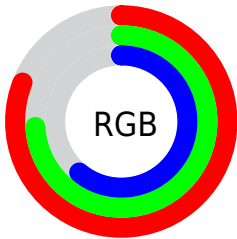
Format	Color
RYB	184, 206, 156
Decimal	13548700
CIELab	76.97, 1.36, 18.53
CIELCh	77, 18.575, 85.807
Yxy	51.4886, 0.3539, 0.3685
Android (android.graphics.Color)	4291738780 (0xFFCEBC9C)
YUV	189.7340, -16.6309, 14.2653
Hunter-Lab	71.7556, -2.5906, 18.1816

Details

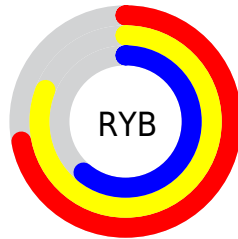
The XYZ color **49.4376, 51.4886, 38.7851** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **39.9866, 41.7951, 64.3526**, and the grayscale version is **48.8758, 51.4212, 55.9977**.

A 20% lighter version of the original color is **85.3486, 90.6645, 74.6297**, and **23.9763, 24.9272, 16.9123** is the 20% darker color. If you saturate the color by 10%, you get **46.2961, 47.7642, 29.8495**, and if you desaturate by 10%, it is **52.9591, 55.4988, 49.3081**.

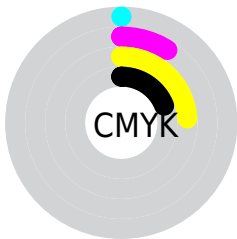
Distribution



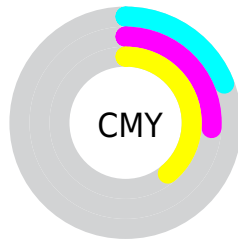
- Red (81%)
- Green (74%)
- Blue (61%)



- Red (72%)
- Yellow (81%)
- Blue (61%)



- Cyan (0%)
- Magenta (9%)
- Yellow (24%)
- Black (19%)





- Cyan (19%)
- Magenta (26%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.4376, 51.4886, 38.7851 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 49.4376, 51.4886, 38.7851 by changing the saturation by 10% instead.


 49.4376, 51.4886,
38.7851


 49.4376, 51.4886,
38.7851


374.9510,
392.4591, 356.3746

 35.1827, 36.5976,
26.2860

 88.5379, 92.3766,
74.5266

 23.9708, 24.8961,
16.8101


 114.1139,
119.1424, 98.6062

 15.4366, 15.9997,
9.9386


144.1944,
150.6352, 127.3830

 9.2147, 9.5239,
5.2532

179.1447,
187.2395, 161.2756

 4.9397, 5.0845,
2.3353

219.3302,
229.3397, 200.7025

 2.2463, 2.2969,
0.7509

265.1161,

 0.7670, 0.7721,

277.3201, 246.0823

0.0000

316.8679,
331.5651, 297.8335

■ 0.0000, 0.0000,
0.0000

■ 49.4376, 51.4886,
38.7851

■ 49.4376, 51.4886,
38.7851

■ 46.2961, 47.7642,
29.8495

■ 52.9591, 55.4988,
49.3081

■ 43.5143, 44.3102,
22.4191

■ 56.8716, 59.7957,
61.4888

■ 41.0763, 41.1199,
16.4091

■ 61.1905, 64.3891,
75.3969

■ 38.9628, 38.1837,
11.7250

■ 65.9293, 69.2862,
91.0974

■ 37.1524, 35.4910,
8.2606

■ 70.4495, 74.2335,
105.2232

■ 35.6207, 33.0298,
5.8932

■ 72.4986, 78.3315,
105.9062

■ 34.3380, 30.7861,
4.4740

■ 74.6357, 82.6058,
106.6185

■ 33.6858, 29.5861,
3.9353

■ 76.8620, 87.0585,
107.3607

■ 79.1786, 91.6916,
108.1328

Harmonies

Analogous

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



52.8632, 51.4886, 41.4376



49.4376, 51.4886, 38.7851



46.0352, 51.4886, 40.2836

Triad

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



49.4376, 51.4886, 38.7851



43.0641, 51.4886, 64.9820



54.7857, 51.4886, 67.7436

Complementary

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



49.4376, 51.4886, 38.7851



39.9866, 41.7951, 64.3526

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.



51.9611, 51.4886, 75.5017



49.4376, 51.4886, 38.7851



45.2128, 51.4886, 73.7773

Square

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



49.4376, 51.4886, 38.7851



42.4604, 51.4886, 54.6494



48.4425, 51.4886, 77.8321



56.0438, 51.4886, 57.4994

Rectangle

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



49.4376, 51.4886, 38.7851



44.2195, 51.4886, 43.5447



48.4425, 51.4886, 77.8321



53.9815, 51.4886, 70.7747

Sweetspot

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



49.4389, 51.4909, 38.7862



90.2926, 94.8725, 93.7890



45.0151, 39.9684, 45.5577



19.2418, 20.2144, 19.8099



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.



49.4389, 51.4909, 38.7862



77.4350, 80.2969, 55.1606



51.7142, 58.7310, 40.0637



11.8010, 12.3910, 11.8492



20.8373, 18.4076, 2.4548



1.1453, 1.0902, 0.1501

Inverse Universe

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



39.9866, 41.7951, 64.3526



59.5922, 61.9986, 103.4338



38.0657, 35.9852, 63.3324



10.9267, 11.4939, 14.2130



8.4579, 5.9397, 36.6570



0.5078, 0.4494, 1.9149

Previews

White Background



This preview shows how the XYZ color 49.4376, 51.4886, 38.7851 looks on a white background.

Color Contrast Check

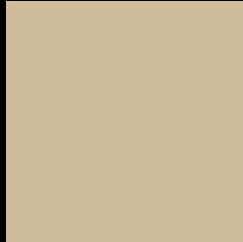
Large Text (above 18pt) WCAG AA × Fail

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 49.4376, 51.4886, 38.7851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

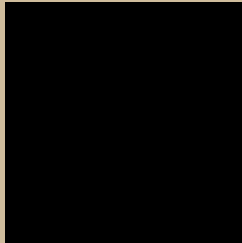
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.4376, 51.4886, 38.7851

Background



This preview shows how black text looks on a background with the XYZ color 49.4376, 51.4886, 38.7851.



This preview shows how white text looks on a background with the XYZ color 49.4376, 51.4886,

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

49.4376, 51.4886, 38.7851

Protanopia

48.5867, 51.6787, 39.3125

Deuteranopia

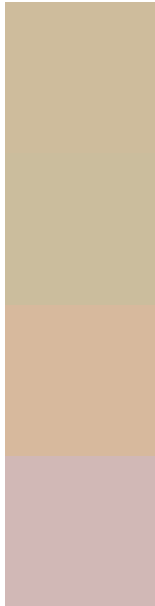
52.5345, 51.5169, 39.0732



Tritanopia

53.6700, 51.3360, 59.9034

Trichromacy



Original Color

49.4376, 51.4886, 38.7851

Protanomaly

48.9120, 51.5260, 39.2659

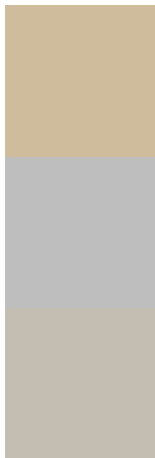
Deuteranomaly

51.4591, 51.5793, 39.1419

Tritanomaly

51.8785, 51.2137, 51.4069

Monochromacy



Original Color

49.4376, 51.4886, 38.7851

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

48.9984, 51.3453, 49.4476

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.4376, 51.4886, 38.7851 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(206, 188, 156)` looks like.

```
.text, #text, p{  
    color:rgb(206, 188, 156)  
}
```

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(206, 188, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 188, 156) }
```

Border

The CSS property to change the border of an element to XYZ 49.4376, 51.4886, 38.7851 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(206, 188, 156) }
```


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

```
.border{ border-color:rgb(206, 188, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 188, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 188, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 188, 156);  
box-shadow:4px 4px 4px 4px rgb(206, 188,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 49.4376, 51.4886, 38.7851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 188, 156) }
```

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

```
.background{ background-color: rgb(206,  
188, 156) }
```

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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