

Converting Colors

XYZ(49.7183, 53.7938, 38.7422)

Have a look what the booklet for
XYZ(49.7183, 53.7938, 38.7422)
contains.

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Color

**XYZ(49.7886, 53.9533,
38.8002)**

Conversions

Conversions Part 1

Format	Color
Hex	CAC39B
RGB	202, 195, 155
RGB Percent	79%, 76%, 61%
CMY	0.2078, 0.2353, 0.3922
CMYK	0.00, 0.03, 0.23, 0.21
HSL	51°, 31%, 70%
HSV	51°, 23%, 79%
XYZ	49.7886, 53.9533, 38.8002
YIQ	192.5330, 17.0120, -10.9560

Conversions

Conversions Part 2

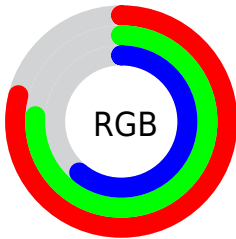
Format	Color
R _{YB}	163, 202, 155
Decimal	13288347
CIE Lab	78.43, -3.99, 21.03
CIE LCh	78, 21.400, 100.739
Yxy	53.9533, 0.3493, 0.3785
Android (android.graphics.Color)	4291478427 (0xFFCAC39B)
YUV	192.5330, -18.5038, 8.3026
Hunter-Lab	73.4529, -7.5499, 20.0981

Details

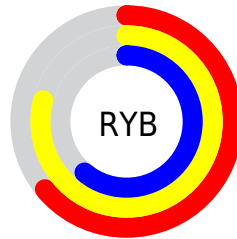
The XYZ color **49.7886, 53.9533, 38.8002** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.0984, 37.0726, 61.0778**, and the grayscale version is **50.5138, 53.1444, 57.8743**.

A 20% lighter version of the original color is **87.3700, 94.9075, 74.6869**, and **24.0562, 26.2523, 16.8960** is the 20% darker color. If you saturate the color by 10%, you get **47.5658, 51.9989, 30.3783**, and if you desaturate by 10%, it is **52.3117, 56.0532, 48.7236**.

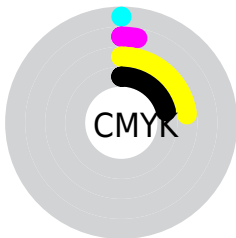
Distribution



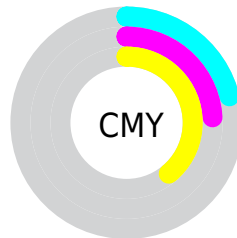
- Red (79%)
- Green (76%)
- Blue (61%)



- Red (64%)
- Yellow (79%)
- Blue (61%)



- Cyan (0%)
- Magenta (3%)
- Yellow (23%)
- Black (21%)





- Cyan (21%)
- Magenta (24%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7886, 53.9533, 38.8002 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 49.7886, 53.9533, 38.8002 by changing the saturation by 10% instead.


 49.7886, 53.9533,
38.8002


 49.7886, 53.9533,
38.8002


376.3043,
401.9319, 356.4408

 35.4626, 38.5643,
26.2977


 89.0553, 96.0057,
74.5500

 24.1876, 26.4210,
16.8187


 114.7266,
123.4379, 98.6343

 15.5983, 17.1388,
9.9447


144.9105,
155.6532, 127.4163

 9.3294, 10.3335,
5.2572

179.9721,
193.0362, 161.3146

 5.0155, 5.6207,
2.3376

220.2770,
235.9712, 200.7477

 2.2912, 2.6158,
0.7522

266.1904,

 0.7902, 0.9346,

284.8425, 246.1340

0.0000

318.0777,
340.0346, 297.8922

■ 0.0000, 0.0000,
0.0000

■ 49.7886, 53.9533,
38.8002

■ 49.7886, 53.9533,
38.8002

■ 47.5658, 51.9989,
30.3783

■ 52.3117, 56.0532,
48.7236

■ 45.6247, 50.1770,
23.3801

■ 55.1439, 58.2967,
60.2142

■ 43.9515, 48.4836,
17.7262


■ 58.2992, 60.6914,
73.3380


■ 42.5292, 46.9120,
13.3276


■ 61.7892, 63.2421,
88.1563


■ 41.3388, 45.4543,
10.0850


■ 65.4632, 65.8886,
103.8752


 40.3585, 44.1017,
7.8837


 66.2127, 67.3875,
104.1251

 39.5620, 42.8435,
6.5859

 66.9762, 68.9146,
104.3796

 39.0973, 42.0368,
6.0533

 67.7538, 70.4698,
104.6388

 68.5456, 72.0533,
104.9027

Harmonies

Analogous

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



53.9956, 53.9533, 39.4798



49.7886, 53.9533, 38.8002



46.1816, 53.9533, 42.8848

Triad

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



49.7886, 53.9533, 38.8002



45.3936, 53.9533, 75.1968



59.3016, 53.9533, 66.7231

Complementary

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



49.7886, 53.9533, 38.8002



37.0984, 37.0726, 61.0778

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.



56.7426, 53.9533, 78.1028



49.7886, 53.9533, 38.8002



48.6590, 53.9533, 83.4386

Square

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



49.7886, 53.9533, 38.8002



43.7379, 53.9533, 63.1688



52.8029, 53.9533, 84.5694



59.6450, 53.9533, 54.5346

Rectangle

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



49.7886, 53.9533, 38.8002



44.5436, 53.9533, 48.1356



52.8029, 53.9533, 84.5694



58.6657, 53.9533, 70.8111

Sweetspot

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



49.7900, 53.9557, 38.8013



91.4663, 97.2198, 94.1802



42.6050, 38.6103, 39.4134



19.5141, 20.7590, 19.9006



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.



49.7900, 53.9557, 38.8013



82.3128, 89.6299, 58.0898



47.1779, 54.9908, 39.1388



12.0060, 12.8010, 11.9175



25.2102, 27.1533, 3.9124



1.3402, 1.4801, 0.2151

Inverse Universe

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



37.0984, 37.0726, 61.0778



57.0639, 56.0458, 102.4181



39.2754, 36.4162, 60.8364



10.7343, 11.1090, 14.1489



7.2006, 3.4253, 36.2379



0.4157, 0.2651, 1.8842

Previews

White Background



This preview shows how the XYZ color 49.7886, 53.9533, 38.8002 looks on a white background.

Color Contrast Check

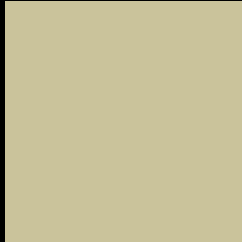
Large Text (above 18pt) WCAG AA × Fail

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 49.7886, 53.9533, 38.8002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

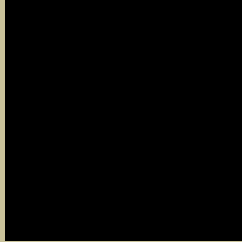
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

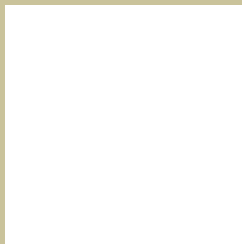
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7886, 53.9533, 38.8002

Background



This preview shows how black text looks on a background with the XYZ color 49.7886, 53.9533, 38.8002.



This preview shows how white text looks on a background with the XYZ color 49.7886, 53.9533,

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

49.7886, 53.9533, 38.8002

Protanopia

50.5781, 54.0385, 38.3366

Deuteranopia

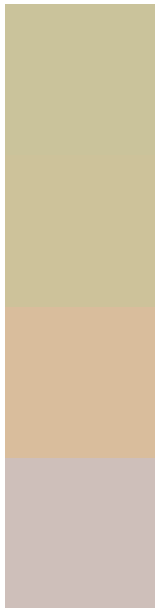
55.0087, 53.7209, 39.3682



Tritanopia

54.7751, 53.6881, 63.9758

Trichromacy



Original Color

49.7886, 53.9533, 38.8002

Protanomaly

50.3014, 53.8958, 38.3236

Deuteranomaly

52.8136, 53.5472, 39.0046

Tritanomaly

52.9473, 53.9286, 54.0730

Monochromacy



Original Color

49.7886, 53.9533, 38.8002

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

50.1934, 53.5740, 50.3432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7886, 53.9533, 38.8002 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(202, 195, 155)` looks like.

```
.text, #text, p{  
    color:rgb(202, 195, 155)  
}
```

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(202, 195, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 195, 155) }
```

Border

The CSS property to change the border of an element to XYZ 49.7886, 53.9533, 38.8002 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(202, 195, 155) }
```


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

```
.border{ border-color:rgb(202, 195, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 195, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 195, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 195, 155);  
box-shadow:4px 4px 4px 4px rgb(202, 195,  
155) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7886, 53.9533, 38.8002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 195, 155) }
```

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

```
.background{ background-color: rgb(202,  
195, 155) }
```

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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