

Converting Colors

XYZ(44.9342, 52.4542, 29.7729)

Have a look what the booklet for
XYZ(44.9342, 52.4542, 29.7729)
contains.

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Color

**XYZ(44.9389, 52.3173,
29.9200)**

Conversions

Conversions Part 1

Format	Color
Hex	BCC585
RGB	188, 197, 133
RGB Percent	74%, 77%, 52%
CMY	0.2627, 0.2274, 0.4784
CMYK	0.05, 0.00, 0.32, 0.23
HSL	68°, 36%, 65%
HSV	68°, 32%, 77%
XYZ	44.9389, 52.3173, 29.9200
YIQ	187.0130, 15.1800, -21.8120

Conversions

Conversions Part 2

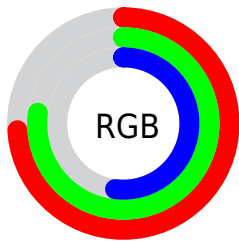
Format	Color
RYB	133, 197, 142
Decimal	12371333
CIELab	77.47, -13.37, 31.13
CIELCh	77, 33.878, 113.239
Yxy	52.3173, 0.3534, 0.4114
Android (android.graphics.Color)	4290561413 (0xFFBCC585)
YUV	187.0130, -26.6284, 0.8656
Hunter-Lab	72.3307, -15.6771, 26.1058

Details

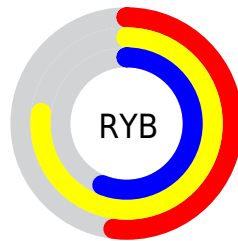
The XYZ color **44.9389, 52.3173, 29.9200** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.6229, 26.5584, 56.3913**, and the grayscale version is **47.3820, 49.8496, 54.2862**.

A 20% lighter version of the original color is **82.0676, 93.8840, 60.8097**, and **21.2153, 25.3378, 11.9561** is the 20% darker color. If you saturate the color by 10%, you get **43.0278, 51.4765, 23.3801**, and if you desaturate by 10%, it is **47.1211, 53.2716, 37.8072**.

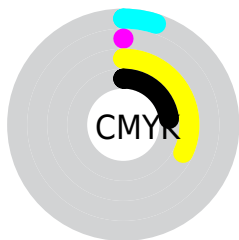
Distribution



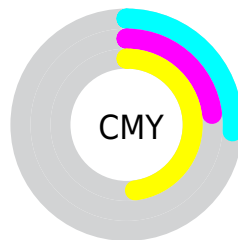
- Red (74%)
- Green (77%)
- Blue (52%)



- Red (52%)
- Yellow (77%)
- Blue (56%)



- Cyan (5%)
- Magenta (0%)
- Yellow (32%)
- Black (23%)



- Cyan (26%)
- Magenta (23%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 44.9389, 52.3173, 29.9200 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 44.9389, 52.3173, 29.9200 by changing the saturation by 10% instead.

■ 44.9389, 52.3173,
29.9200

■ 44.9389, 52.3173,
29.9200

357.3139,
395.6603, 315.7271

■ 31.6104, 37.2581,
19.5263

■ 81.8663, 93.5990,
60.5952

■ 21.2182, 25.4074,
11.8706

■ 106.1960,
120.5903, 81.7137

■ 13.3969, 16.3808,
6.5341

■ 134.9234,
152.3277, 107.2443

■ 7.7813, 9.7940,
3.0985

168.4138,
189.1956, 137.6055

■ 4.0060, 5.2626,
1.1452

207.0328,
231.5784, 173.2159

■ 1.7055, 2.4022,
0.0000

251.1455,

■ 0.4597, 0.8270,

279.8606, 214.4939

0.0000

301.1175,
334.4264, 261.8581

■ 0.0000, 0.0000,
0.0000

■ 44.9389, 52.3173,
29.9200

■ 44.9389, 52.3173,
29.9200

■ 43.0278, 51.4765,
23.3801

■ 47.1211, 53.2716,
37.8072

■ 41.3693, 50.7365,
18.1088

■ 49.5837, 54.3378,
47.1078

■ 39.9492, 50.0933,
14.0244


■ 52.3403, 55.5232,
57.8877


■ 38.7496, 49.5399,
11.0345


■ 55.4026, 56.8323,
70.2075


■ 37.7505, 49.0681,
9.0329


■ 58.7815, 58.2697,
84.1244


 36.9274, 48.6682,
7.8921

 62.4873, 59.8394,
99.6930

 36.3913, 48.4016,
7.4244

 63.8620, 60.4782,
102.9153

 64.6453, 60.8819,
102.9520

 65.4422, 61.2928,
102.9893

Harmonies

Analogous

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



51.2174, 52.3173, 28.2185



44.9389, 52.3173, 29.9200



40.3382, 52.3173, 38.0558

Triad

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



44.9389, 52.3173, 29.9200



42.5902, 52.3173, 90.8652



63.2520, 52.3173, 61.2995

Complementary

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



44.9389, 52.3173, 29.9200



29.6229, 26.5584, 56.3913

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.



60.4678, 52.3173, 81.2835



44.9389, 52.3173, 29.9200



48.2639, 52.3173, 100.6059

Square

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



44.9389, 52.3173, 29.9200



39.0674, 52.3173, 72.3480



54.8416, 52.3173, 96.7622



62.1659, 52.3173, 43.9328

Rectangle

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



44.9389, 52.3173, 29.9200



38.6560, 52.3173, 47.2200



54.8416, 52.3173, 96.7622



62.7302, 52.3173, 67.9654

Sweetspot

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



44.9402, 52.3196, 29.9211



89.9052, 97.7910, 88.6323



36.8651, 32.7726, 26.5738



19.0981, 20.8687, 18.4092



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.



44.9402, 52.3196, 29.9211



78.0011, 92.6073, 45.0170



38.0025, 48.7431, 29.5964



11.3715, 12.3385, 11.3450



23.9882, 31.8617, 4.8856



1.1772, 1.5300, 0.2333

Inverse Universe

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



29.6229, 26.5584, 56.3913



46.3418, 39.3413, 99.7589



35.8190, 29.7526, 56.6813



10.1932, 10.3579, 13.3795



6.9813, 2.8332, 34.9233



0.3767, 0.1580, 1.6558

Previews

White Background



This preview shows how the XYZ color 44.9389, 52.3173, 29.9200 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 44.9389, 52.3173, 29.9200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

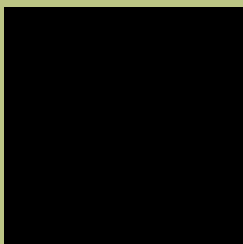
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

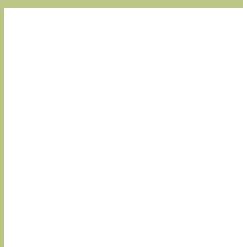
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.9389, 52.3173, 29.9200

Background



This preview shows how black text looks on a background with the XYZ color 44.9389, 52.3173, 29.9200.



This preview shows how white text looks on a background with the XYZ color 44.9389, 52.3173,

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

44.9389, 52.3173, 29.9200

Protanopia

48.4597, 52.1657, 28.9876

Deuteranopia

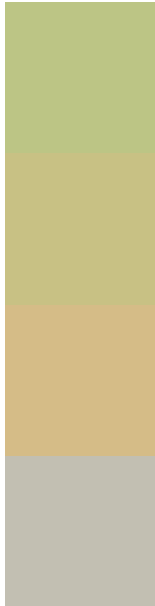
53.0560, 51.9754, 30.5285



Tritanopia

51.7887, 52.1486, 63.8360

Trichromacy



Original Color

44.9389, 52.3173, 29.9200

Protanomaly

47.0542, 52.0852, 29.4032

Deuteranomaly

49.7970, 51.8618, 30.3074

Tritanomaly

48.9148, 51.9453, 49.5678

Monochromacy



Original Color

44.9389, 52.3173, 29.9200

Achromatopsia

47.2335, 49.6933, 54.1160

Achromatomaly

46.0994, 50.6164, 43.8995

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9389, 52.3173, 29.9200 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(188, 197, 133)` looks like.

```
.text, #text, p{  
    color:rgb(188, 197, 133)  
}
```

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(188, 197, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 197, 133) }
```

Border

The CSS property to change the border of an element to XYZ 44.9389, 52.3173, 29.9200 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(188, 197, 133) }
```


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

```
.border{ border-color:rgb(188, 197, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 197, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 197, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 197, 133);  
box-shadow:4px 4px 4px 4px rgb(188, 197,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9389, 52.3173, 29.9200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 197, 133) }
```

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

```
.background{ background-color: rgb(188,  
197, 133) }
```

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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