

Converting Colors

XYZ(33.3971, 34.4479, 29.2433)

Have a look what the booklet for
XYZ(33.3971, 34.4479, 29.2433)
contains.

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Color

**XYZ(33.3433, 34.2989,
29.2891)**

Conversions

Conversions Part 1

Format	Color
Hex	AB9C8B
RGB	171, 156, 139
RGB Percent	67%, 61%, 55%
CMY	0.3294, 0.3882, 0.4549
CMYK	0.00, 0.09, 0.19, 0.33
HSL	32°, 16%, 61%
HSV	32°, 19%, 67%
XYZ	33.3433, 34.2989, 29.2891
YIQ	158.5470, 14.3970, -2.1070

Conversions

Conversions Part 2

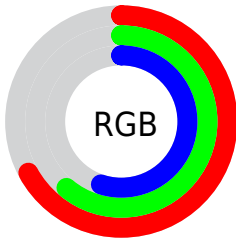
Format	Color
RYB	167, 171, 139
Decimal	11246731
CIELab	65.20, 2.64, 10.89
CIELCh	65, 11.208, 76.377
Yxy	34.2989, 0.3440, 0.3538
Android (android.graphics.Color)	4289436811 (0xFFAB9C8B)
YUV	158.5470, -9.6367, 10.9213
Hunter-Lab	58.5653, -0.8628, 11.3441

Details

The XYZ color **33.3433, 34.2989, 29.2891** is a light color, and the websafe version is hex **999999**. A complement of this color would be **29.5538, 31.5400, 43.0587**, and the grayscale version is **32.7866, 34.4941, 37.5640**.

A 20% lighter version of the original color is **64.2396, 66.2299, 59.2670**, and **14.3260, 14.6760, 11.5289** is the 20% darker color. If you saturate the color by 10%, you get **30.8898, 31.2374, 22.7816**, and if you desaturate by 10%, it is **36.0828, 37.6192, 36.8570**.

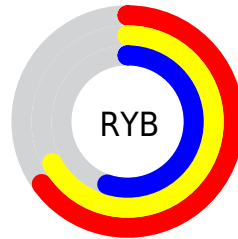
Distribution



Red (67%)

Green (61%)

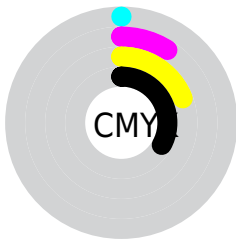
Blue (55%)



Red (65%)

Yellow (67%)

Blue (55%)

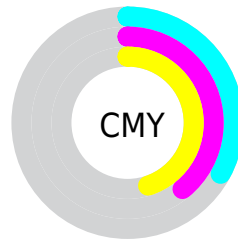


Cyan (0%)

Magenta (9%)

Yellow (19%)

Black (33%)



Cyan (33%)


Magenta (39%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3433, 34.2989, 29.2891 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 33.3433, 34.2989, 29.2891 by changing the saturation by 10% instead.


 33.3433, 34.2989,
29.2891


 33.3433, 34.2989,
29.2891


308.8315,
321.4628, 312.6801

 22.5501, 23.1233,
19.0522


 64.2622, 66.3982,
59.5837

 14.3805, 14.6846,
11.5308

 85.1186, 88.0907,
80.4786

 8.4692, 8.5983,
6.3064


 110.0601,
114.0577, 105.7631

 4.4510, 4.4801,
2.9605

139.4521,
144.6835, 135.8558

 1.9603, 1.9456,
1.0745

173.6598,
180.3525, 171.1753

 0.6115, 0.5756,
0.0000

213.0488,

 0.0000, 0.0000,

221.4491, 212.1402

0.0000

257.9842,
268.3577, 259.1689

■ 33.3433, 34.2989,
29.2891

■ 33.3433, 34.2989,
29.2891

■ 30.8898, 31.2374,
22.7816

■ 36.0828, 37.6192,
36.8570

■ 28.7089, 28.4230,
17.2841

■ 39.1158, 41.2003,
45.5283

■ 26.7899, 25.8498,
12.7453

■ 42.4527, 45.0502,
55.3463

■ 25.1204, 23.5100,
9.1082

■ 46.1026, 49.1749,
66.3511

■ 23.6867, 21.3952,
6.3101

■ 50.0742, 53.5806,
78.5812

■ 22.4734, 19.4960,
4.2800

■ 54.3760, 58.2728,
92.0731

■ 21.4630, 17.8023,
2.9346

■ 58.4139, 63.0163,
103.6924

■ 20.6246, 16.2983,
2.1221

■ 60.4686, 67.1257,
104.3773

■ 20.5239, 16.1163,
2.0290

■ 62.6242, 71.4368,
105.0958

Harmonies

Analogous

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



34.8089, 34.2989, 31.2216



33.3433, 34.2989, 29.2891



31.7249, 34.2989, 29.3841

Triad

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



33.3433, 34.2989, 29.2891



29.6866, 34.2989, 39.9323



34.9202, 34.2989, 43.8819

Complementary

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



33.3433, 34.2989, 29.2891



29.5538, 31.5400, 43.0587

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.



33.4912, 34.2989, 46.6292



33.3433, 34.2989, 29.2891



30.4867, 34.2989, 44.2223

Square

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



33.3433, 34.2989, 29.2891



29.6500, 34.2989, 35.2727



31.8680, 34.2989, 46.7588



35.7396, 34.2989, 39.4983

Rectangle

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



33.3433, 34.2989, 29.2891



30.7776, 34.2989, 30.5795



31.8680, 34.2989, 46.7588



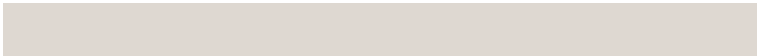
34.4931, 34.2989, 45.0428

Sweetspot

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



33.3442, 34.3004, 29.2898



65.9864, 68.9996, 69.8632



31.8994, 29.4724, 34.7840



14.6414, 15.2994, 15.3704



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.3442, 34.3004, 29.2898



58.0432, 59.3606, 47.9555



35.9022, 39.5885, 30.1757



8.3443, 8.6934, 8.4516



15.5250, 12.2554, 1.5473



0.4860, 0.4492, 0.0611

Inverse Universe

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



29.5538, 31.5400, 43.0587



50.1290, 53.5973, 76.7051



27.3205, 26.9410, 42.2887



7.8767, 8.3529, 10.1498



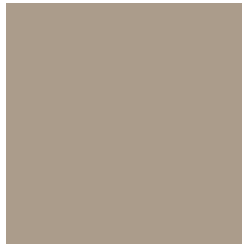
7.7635, 6.6609, 29.9210



0.2710, 0.2954, 0.8507

Previews

White Background



This preview shows how the XYZ color 33.3433, 34.2989, 29.2891 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 33.3433, 34.2989, 29.2891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

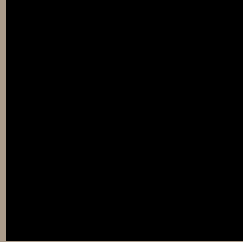
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3433, 34.2989, 29.2891

Background



This preview shows how black text looks on a background with the XYZ color 33.3433, 34.2989, 29.2891.



This preview shows how white text looks on a background with the XYZ color 33.3433, 34.2989, 29.2891.

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

33.3433, 34.2989, 29.2891

Protanopia

32.4775, 34.3465, 29.7287

Deuteranopia

34.9472, 34.3792, 29.6049



Tritanopia

35.3846, 34.1355, 39.8458

Trichromacy



Original Color

33.3433, 34.2989, 29.2891

Protanomaly

32.7269, 34.2229, 29.6917

Deuteranomaly

34.4207, 34.3518, 29.6273

Tritanomaly

34.5412, 34.0333, 35.7589

Monochromacy



Original Color

33.3433, 34.2989, 29.2891

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.9986, 34.5072, 34.6271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3433, 34.2989, 29.2891 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(171, 156, 139)` looks like.

```
.text, #text, p{  
    color:rgb(171, 156, 139)  
}
```

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(171, 156, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 156, 139) }
```

Border

The CSS property to change the border of an element to XYZ 33.3433, 34.2989, 29.2891 is called "border". The border property can be set on classes, ids or directly on the HTML element.

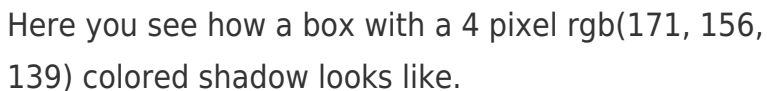
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 156, 139) }
```


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

```
.border{ border-color:rgb(171, 156, 139) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 156, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 156, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 156, 139);  
box-shadow:4px 4px 4px 4px rgb(171, 156,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3433, 34.2989, 29.2891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 156, 139) }
```

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

```
.background{ background-color: rgb(171,  
156, 139) }
```

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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