

Converting Colors

XYZ(30.3869, 33.1417, 12.5800)

Have a look what the booklet for
XYZ(30.3869, 33.1417, 12.5800)
contains.

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Color

**XYZ(30.3869, 33.1417,
12.5800)**

Conversions

Conversions Part 1

Format	Color
Hex	AC9C51
RGB	172, 156, 81
RGB Percent	67%, 61%, 32%
CMY	0.3255, 0.3882, 0.6823
CMYK	0.00, 0.09, 0.53, 0.33
HSL	49°, 36%, 50%
HSV	49°, 53%, 67%
XYZ	30.3869, 33.1417, 12.5800
YIQ	152.2340, 33.6110, -19.9330

Conversions

Conversions Part 2

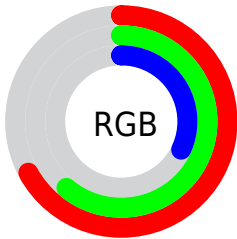
Format	Color
RYB	100, 172, 81
Decimal	11312209
CIELab	64.28, -4.13, 41.00
CIELCh	64, 41.203, 95.746
Yxy	33.1417, 0.3993, 0.4355
Android (android.graphics.Color)	4289502289 (0xFFAC9C51)
YUV	152.2340, -35.1184, 17.3348
Hunter-Lab	57.5688, -6.5267, 27.3421

Details

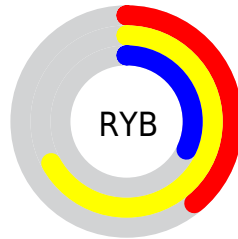
The XYZ color **30.3869, 33.1417, 12.5800** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **15.1143, 13.2767, 40.7955**, and the grayscale version is **30.0837, 31.6504, 34.4673**.

A 20% lighter version of the original color is **59.5245, 64.4171, 31.1263**, and **12.6484, 13.9893, 3.4001** is the 20% darker color. If you saturate the color by 10%, you get **29.3211, 31.9149, 9.4358**, and if you desaturate by 10%, it is **31.6303, 34.4622, 16.5901**.

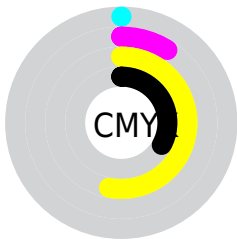
Distribution



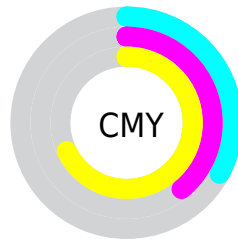
- Red (67%)
- Green (61%)
- Blue (32%)



- Red (39%)
- Yellow (67%)
- Blue (32%)



- Cyan (0%)
- Magenta (9%)
- Yellow (53%)
- Black (33%)



- Cyan (33%)
- Magenta (39%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3869, 33.1417, 12.5800 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 30.3869, 33.1417, 12.5800 by changing the saturation by 10% instead.

■ 30.3869, 33.1417,
12.5800

■ 30.3869, 33.1417,
12.5800

295.5813,
316.2878, 219.3206

■ 20.2820, 22.2350,
7.0127

■ 59.6559, 64.5967,
31.2272

■ 12.7096, 14.0297,
3.3915

■ 79.5508, 85.9138,
45.1441

■ 7.3045, 8.1413,
1.2978

■ 103.4396,
111.4698, 62.6813

■ 3.7013, 4.1855,
0.0600

■ 131.6878,
141.6492, 84.2574

■ 1.5346, 1.7779,
0.0000

■ 164.6607,
176.8363, 110.2908

■ 0.3492, 0.4733,
0.0000

202.7237,

■ 0.0000, 0.0000,

217.4155, 141.2001

0.0000

246.2421,
263.7712, 177.4038

■ 30.3869, 33.1417,
12.5800

■ 30.3869, 33.1417,
12.5800

■ 29.3211, 31.9149,
9.4358

■ 31.6303, 34.4622,
16.5901

■ 28.4179, 30.7720,
7.0892

■ 33.0602, 35.8764,
21.5236

■ 27.6635, 29.7086,
5.4649

■ 34.6879, 37.3902,
27.4352

■ 27.0407, 28.7174,
4.4722

■ 36.5229, 39.0076,
34.3748

■ 26.6515, 28.0473,
4.0090

■ 38.5741, 40.7322,
42.3891

■ 40.8500, 42.5676,
51.5217

■ 43.3583, 44.5171,
61.8139

■ 46.1067, 46.5837,
73.3047

■ 49.1023, 48.7705,
86.0315

Harmonies

Analogous

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



36.3525, 33.1417, 13.9561



30.3869, 33.1417, 12.5800



25.3729, 33.1417, 15.7400

Triad

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



30.3869, 33.1417, 12.5800



23.2213, 33.1417, 58.3771



42.9141, 33.1417, 51.0091

Complementary

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



30.3869, 33.1417, 12.5800



15.1143, 13.2767, 40.7955

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.



38.5421, 33.1417, 69.0709



30.3869, 33.1417, 12.5800



27.1001, 33.1417, 74.1656

Square

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



30.3869, 33.1417, 12.5800



21.5779, 33.1417, 39.4095



32.6403, 33.1417, 78.5872



44.0756, 33.1417, 32.9542

Rectangle

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



30.3869, 33.1417, 12.5800



23.0844, 33.1417, 20.8157



32.6403, 33.1417, 78.5872



41.7469, 33.1417, 57.4347

Sweetspot

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



30.3877, 33.1433, 12.5807



65.0898, 69.7526, 57.8908



22.1455, 15.5317, 13.3081



14.0013, 15.0321, 12.0344



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.



30.3877, 33.1433, 12.5807



52.9774, 57.6371, 16.5221



27.5972, 35.9550, 13.2705



8.5411, 9.0871, 8.5172



19.8690, 20.9434, 2.9953



0.5837, 0.6445, 0.0936

Inverse Universe

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



15.1143, 13.2767, 40.7955



22.4282, 17.9430, 73.0870



16.7967, 12.1670, 40.4926



7.6885, 7.9764, 10.0871



5.9207, 2.9752, 29.3067



0.1979, 0.1492, 0.8264

Previews

White Background



This preview shows how the XYZ color 30.3869, 33.1417, 12.5800 looks on a white background.

Color Contrast Check

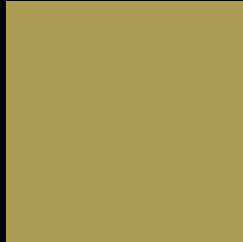
Large Text (above 18pt) WCAG AA × Fail

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 30.3869, 33.1417, 12.5800 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 30.3869, 33.1417, 12.5800

Background



This preview shows how black text looks on a background with the XYZ color 30.3869, 33.1417, 12.5800.



This preview shows how white text looks on a background with the XYZ color 30.3869, 33.1417,

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

30.3869, 33.1417, 12.5800

Protanopia

30.3869, 33.1417, 12.5800

Deuteranopia

33.7946, 33.1958, 12.8099



Tritanopia

35.2821, 32.9543, 37.3021

Trichromacy



Original Color

30.3869, 33.1417, 12.5800

Protanomaly

30.3869, 33.1417, 12.5800

Deuteranomaly

32.5184, 33.2560, 12.6878

Tritanomaly

32.9076, 32.6815, 26.0465

Monochromacy



Original Color

30.3869, 33.1417, 12.5800

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.4552, 31.6598, 24.2972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3869, 33.1417, 12.5800 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(172, 156, 81)` looks like.

```
.text, #text, p{  
    color:rgb(172, 156, 81)  
}
```

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(172, 156, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 156, 81) }
```

Border

The CSS property to change the border of an element to XYZ 30.3869, 33.1417, 12.5800 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(172, 156, 81) }
```


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

```
.border{ border-color:rgb(172, 156, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 156, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 156, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 156, 81);  
box-shadow:4px 4px 4px 4px rgb(172, 156,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3869, 33.1417, 12.5800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 156, 81) }
```

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

```
.background{ background-color: rgb(172,  
156, 81) }
```

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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