

Converting Colors

XYZ(32.9899, 28.9205, 41.9527)

Have a look what the booklet for
XYZ(32.9899, 28.9205, 41.9527)
contains.

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Color

**XYZ(33.0144, 28.8367,
41.8562)**

Conversions

Conversions Part 1

Format	Color
Hex	AD86AA
RGB	173, 134, 170
RGB Percent	68%, 53%, 67%
CMY	0.3216, 0.4745, 0.3333
CMYK	0.00, 0.23, 0.02, 0.32
HSL	305°, 19%, 60%
HSV	305°, 23%, 68%
XYZ	33.0144, 28.8367, 41.8562
YIQ	149.7650, 11.6880, 19.4640

Conversions

Conversions Part 2

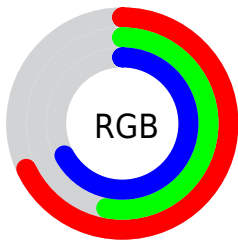
Format	Color
RYB	173, 134, 170
Decimal	11372202
CIELab	60.64, 21.14, -13.29
CIELCh	61, 24.970, 327.846
Yxy	28.8367, 0.3183, 0.2781
Android (android.graphics.Color)	4289562282 (0xFFAD86AA)
YUV	149.7650, 9.9759, 20.3771
Hunter-Lab	53.6998, 15.7663, -8.6236

Details

The XYZ color **33.0144, 28.8367, 41.8562** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.2916, 36.7625, 29.2206**, and the grayscale version is **28.8462, 30.3485, 33.0495**.

A 20% lighter version of the original color is **63.6740, 57.6349, 79.0028**, and **14.1861, 11.6417, 18.6389** is the 20% darker color. If you saturate the color by 10%, you get **30.6911, 24.3902, 40.4640**, and if you desaturate by 10%, it is **35.7318, 34.0685, 43.3868**.

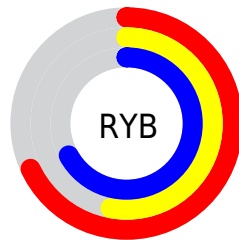
Distribution



Red (68%)

Green (53%)

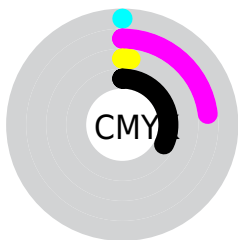
Blue (67%)



Red (68%)

Yellow (53%)

Blue (67%)

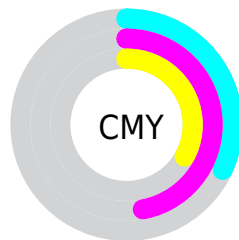


Cyan (0%)

Magenta (23%)

Yellow (2%)

Black (32%)



Cyan (32%)

Magenta (47%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0144, 28.8367, 41.8562 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 33.0144, 28.8367, 41.8562 by changing the saturation by 10% instead.

■ 33.0144, 28.8367,
41.8562

■ 33.0144, 28.8367,
41.8562

307.3785,
296.4437, 369.6685

■ 22.2968, 18.9573,
28.6640

■ 63.7525, 57.8175,
79.2497

■ 14.1929, 11.6394,
18.5834

■ 84.5038, 77.6878,
104.2880

■ 8.3376, 6.4987,
11.1959

■ 109.3302,
101.6571, 134.1122

■ 4.3653, 3.1506,
6.0829

138.5972,
130.1099, 169.1406

■ 1.9108, 1.2109,
2.8260

172.6702,
163.4306, 209.7919

■ 0.5831, 0.0705,
1.0065

211.9145,

■ 0.0000, 0.0000,

202.0035, 256.4847

0.0000

256.6955,
246.2131, 309.6374

■ 33.0144, 28.8367,
41.8562

■ 33.0144, 28.8367,
41.8562

■ 30.6911, 24.3902,
40.4640

■ 35.7318, 34.0685,
43.3868

■ 28.7405, 20.6873,
39.2019

■ 38.8585, 40.1173,
45.0597

■ 27.1426, 17.6880,
38.0636

■ 42.4120, 47.0176,
46.8813

■ 25.8750, 15.3473,
37.0417

■ 46.4079, 54.8008,
48.8567

■ 24.9125, 13.6146,
36.1277

■ 50.8613, 63.4967,
50.9909

■ 24.2262, 12.4324,
35.3120

■ 55.7861, 73.1336,
53.2887

■ 23.7817, 11.7318,
34.5831

■ 61.1628, 83.6719,
55.7435

■ 23.5520, 11.4116,
34.0773

■ 61.2984, 83.7262,
56.4576

■ 61.4353, 83.7810,
57.1787

Harmonies

Analogous

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



30.4153, 28.8367, 49.9138



33.0144, 28.8367, 41.8562



34.1003, 28.8367, 32.0721

Triad

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



33.0144, 28.8367, 41.8562



27.6427, 28.8367, 16.7581



22.2719, 28.8367, 40.4682

Complementary

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



33.0144, 28.8367, 41.8562



29.2916, 36.7625, 29.2206

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.



21.6548, 28.8367, 30.7340



33.0144, 28.8367, 41.8562



24.6065, 28.8367, 18.1425

Square

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



33.0144, 28.8367, 41.8562



30.8511, 28.8367, 18.6106



22.4759, 28.8367, 22.8458



24.2319, 28.8367, 49.0080

Rectangle

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



33.0144, 28.8367, 41.8562



33.7606, 28.8367, 26.2530



22.4759, 28.8367, 22.8458



21.9076, 28.8367, 37.1754

Sweetspot

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



33.0153, 28.8380, 41.8568



66.9347, 66.6993, 79.2938



26.3203, 25.3534, 43.0423



14.4775, 14.3619, 17.1955



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.



33.0153, 28.8380, 41.8568



56.9901, 47.5484, 73.7027



31.3375, 28.1669, 33.0218



8.3101, 8.1373, 9.9437



17.3117, 8.3872, 25.0845



0.4893, 0.2364, 0.7383

Inverse Universe

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



33.0153, 28.8380, 41.8568



56.9901, 47.5484, 73.7027



30.7854, 37.3601, 37.0866



8.3101, 8.1373, 9.9437



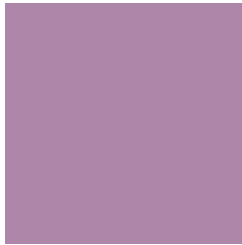
17.3117, 8.3872, 25.0845



0.4893, 0.2364, 0.7383

Previews

White Background



This preview shows how the XYZ color 33.0144, 28.8367, 41.8562 looks on a white background.

Color Contrast Check

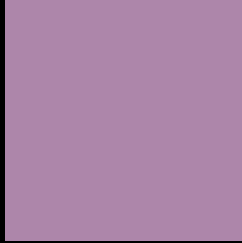
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0144, 28.8367, 41.8562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

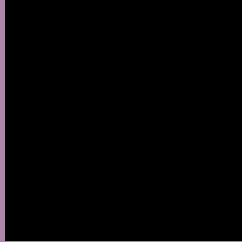
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.0144, 28.8367, 41.8562

Background



This preview shows how black text looks on a background with the XYZ color 33.0144, 28.8367, 41.8562.



This preview shows how white text looks on a background with the XYZ color 33.0144, 28.8367,

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

33.0144, 28.8367, 41.8562

Protanopia

28.7087, 28.9141, 45.6628

Deuteranopia

29.4680, 28.9561, 41.0817



Tritanopia

31.0909, 28.8929, 32.3720

Trichromacy



Original Color

33.0144, 28.8367, 41.8562

Protanomaly

29.9274, 28.6851, 44.0038

Deuteranomaly

30.6401, 28.8898, 41.4975

Tritanomaly

31.8260, 28.9836, 35.8153

Monochromacy



Original Color

33.0144, 28.8367, 41.8562

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.1596, 29.6499, 36.0317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0144, 28.8367, 41.8562 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(173, 134, 170)` looks like.

```
.text, #text, p{  
    color:rgb(173, 134, 170)  
}
```

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(173, 134, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 134, 170) }
```

Border

The CSS property to change the border of an element to XYZ 33.0144, 28.8367, 41.8562 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(173, 134, 170) }
```


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

```
.border{ border-color:rgb(173, 134, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 134, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 134, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 134, 170);  
box-shadow:4px 4px 4px 4px rgb(173, 134,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0144, 28.8367, 41.8562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 134, 170) }
```

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

```
.background{ background-color: rgb(173,  
134, 170) }
```

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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