

Converting Colors

XYZ(33.3177, 28.4151, 43.3037)

Have a look what the booklet for
XYZ(33.3177, 28.4151, 43.3037)
contains.

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Color

**XYZ(33.3383, 28.3637,
43.2528)**

Conversions

Conversions Part 1

Format	Color
Hex	AF83AD
RGB	175, 131, 173
RGB Percent	69%, 51%, 68%
CMY	0.3137, 0.4863, 0.3216
CMYK	0.00, 0.25, 0.01, 0.31
HSL	303°, 22%, 60%
HSV	303°, 25%, 69%
XYZ	33.3383, 28.3637, 43.2528
YIQ	148.9440, 12.7420, 22.3900

Conversions

Conversions Part 2

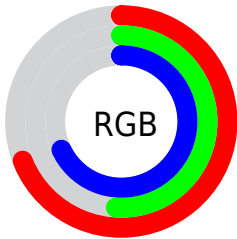
Format	Color
RYB	175, 131, 173
Decimal	11502509
CIELab	60.22, 24.10, -15.61
CIElCh	60, 28.718, 327.062
Yxy	28.3637, 0.3176, 0.2702
Android (android.graphics.Color)	4289692589 (0xFFAF83AD)
YUV	148.9440, 11.8596, 22.8511
Hunter-Lab	53.2576, 18.5371, -10.8717

Details

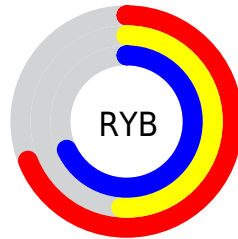
The XYZ color **33.3383, 28.3637, 43.2528** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **28.9248, 37.1795, 27.8437**, and the grayscale version is **28.4922, 29.9760, 32.6439**.

A 20% lighter version of the original color is **64.0991, 56.8713, 80.9977**, and **14.4197, 11.4029, 19.5301** is the 20% darker color. If you saturate the color by 10%, you get **31.1071, 24.0236, 42.1307**, and if you desaturate by 10%, it is **35.9687, 33.5005, 44.5109**.

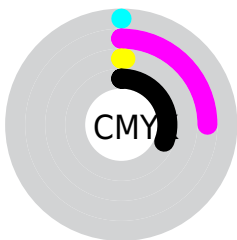
Distribution



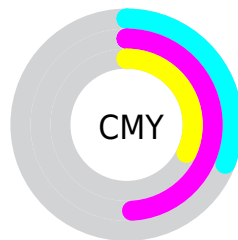
- Red (69%)
- Green (51%)
- Blue (68%)



- Red (69%)
- Yellow (51%)
- Blue (68%)



- Cyan (0%)
- Magenta (25%)
- Yellow (1%)
- Black (31%)



- Cyan (31%)
- Magenta (49%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3383, 28.3637, 43.2528 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 33.3383, 28.3637, 43.2528 by changing the saturation by 10% instead.


 33.3383, 28.3637,
43.2528


 33.3383, 28.3637,
43.2528


308.8095,
294.2008, 375.6021


 22.5462, 18.6000,
29.7506


 64.2545, 57.0646,
81.3827

 14.3776, 11.3816,
19.3990


 85.1093, 76.7706,
106.8474

 8.4672, 6.3241,
11.7792


 110.0490,
100.5594, 137.1368

 4.4497, 3.0432,
6.4728

139.4391,
128.8156, 172.6694

 1.9595, 1.1543,
3.0612

173.6448,
161.9234, 213.8637

 0.6111, 0.0239,
1.1260

213.0316,

 0.0000, 0.0000,

200.2672, 261.1382

0.0000

257.9647,
244.2316, 314.9115

■ 33.3383, 28.3637,
43.2528

■ 33.3383, 28.3637,
43.2528

■ 31.1071, 24.0236,
42.1307

■ 35.9687, 33.5005,
44.5109

■ 29.2525, 20.4365,
41.1360

■ 39.0143, 39.4672,
45.9093

■ 27.7537, 17.5603,
40.2622

■ 42.4931, 46.2999,
47.4544

■ 26.5869, 15.3474,
39.5014

■ 46.4217, 54.0313,
49.1517

■ 25.7253, 13.7441,
38.8445

■ 50.8156, 62.6925,
51.0064

■ 25.1380, 12.6887,
38.2812

■ 55.6894, 72.3130,
53.0234

■ 24.7868, 12.1047,
37.7989

■ 61.0575, 82.9211,
55.2073

■ 24.6587, 11.9058,
37.5796

■ 61.6131, 83.9035,
55.7895

■ 61.6940, 83.9359,
56.2156

Harmonies

Analogous

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



30.3049, 28.3637, 52.6510



33.3383, 28.3637, 43.2528



34.6538, 28.3637, 31.9329

Triad

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



33.3383, 28.3637, 43.2528



27.3229, 28.3637, 14.7543



21.1403, 28.3637, 41.0412

Complementary

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



33.3383, 28.3637, 43.2528



28.9248, 37.1795, 27.8437

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.



20.4967, 28.3637, 29.8569



33.3383, 28.3637, 43.2528



23.8686, 28.3637, 16.1337

Square

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



33.3383, 28.3637, 43.2528



30.9887, 28.3637, 16.8163



21.4500, 28.3637, 21.1302



23.2945, 28.3637, 51.1836

Rectangle

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



33.3383, 28.3637, 43.2528



34.2982, 28.3637, 25.3153



21.4500, 28.3637, 21.1302



20.7491, 28.3637, 37.2130

Sweetspot

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



33.3392, 28.3649, 43.2534



68.1573, 67.3205, 81.4431



25.4443, 24.2725, 43.9019



14.9653, 14.6033, 18.0178



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.3392, 28.3649, 43.2534



57.4726, 46.4466, 76.3538



31.4258, 27.5996, 33.1778



8.3211, 8.1417, 10.0018



17.6650, 8.5285, 26.9449



0.4961, 0.2391, 0.7744

Inverse Universe

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



33.3392, 28.3649, 43.2534



57.4726, 46.4466, 76.3538



30.5628, 37.8347, 36.4691



8.3211, 8.1417, 10.0018



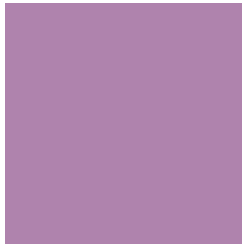
17.6650, 8.5285, 26.9449



0.4961, 0.2391, 0.7744

Previews

White Background



This preview shows how the XYZ color 33.3383, 28.3637, 43.2528 looks on a white background.

Color Contrast Check

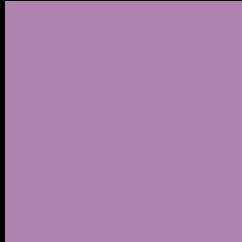
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.3383, 28.3637, 43.2528 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 33.3383, 28.3637, 43.2528

Background



This preview shows how black text looks on a background with the XYZ color 33.3383, 28.3637, 43.2528.



This preview shows how white text looks on a background with the XYZ color 33.3383, 28.3637,

43.2528.

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

33.3383, 28.3637, 43.2528

Protanopia

28.5701, 28.5582, 48.2624

Deuteranopia

29.0563, 28.4893, 42.4956



Tritanopia

30.7871, 28.3416, 31.0419

Trichromacy



Original Color

33.3383, 28.3637, 43.2528

Protanomaly

29.9470, 28.2039, 46.5134

Deuteranomaly

30.4395, 28.3236, 42.8924

Tritanomaly

31.5391, 28.2212, 35.2374

Monochromacy



Original Color

33.3383, 28.3637, 43.2528

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.9451, 29.0837, 36.3832

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3383, 28.3637, 43.2528 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(175, 131, 173)` looks like.

```
.text, #text, p{  
    color:rgb(175, 131, 173)  
}
```

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(175, 131, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 131, 173) }
```

Border

The CSS property to change the border of an element to XYZ 33.3383, 28.3637, 43.2528 is called "border". The border property can be set on classes, ids or directly on the HTML element.

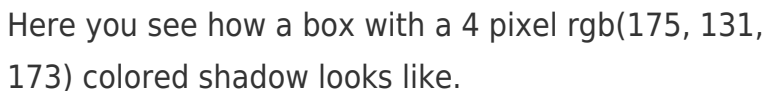
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(175, 131, 173) }
```


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

```
.border{ border-color:rgb(175, 131, 173) }
```

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



Here you see how a box with a 4 pixel `rgb(175, 131, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(175, 131, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(175, 131, 173); box-shadow:4px 4px 4px 4px rgb(175, 131, 173) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3383, 28.3637, 43.2528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 131, 173) }
```

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

```
.background{ background-color: rgb(175,  
131, 173) }
```

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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