

Converting Colors

XYZ(33.8986, 28.8203, 44.4454)

Have a look what the booklet for
XYZ(33.8986, 28.8203, 44.4454)
contains.

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Color

**XYZ(33.8936, 28.8278,
44.3354)**

Conversions

Conversions Part 1

Format	Color
Hex	B084AF
RGB	176, 132, 175
RGB Percent	69%, 52%, 69%
CMY	0.3098, 0.4823, 0.3137
CMYK	0.00, 0.25, 0.01, 0.31
HSL	301°, 22%, 60%
HSV	301°, 25%, 69%
XYZ	33.8936, 28.8278, 44.3354
YIQ	150.0580, 12.4210, 22.7010

Conversions

Conversions Part 2

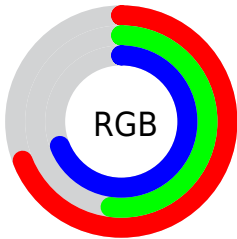
Format	Color
RYB	176, 132, 175
Decimal	11568303
CIELab	60.63, 24.27, -16.12
CIELCh	61, 29.132, 326.407
Yxy	28.8278, 0.3166, 0.2693
Android (android.graphics.Color)	4289758383 (0xFFB084AF)
YUV	150.0580, 12.2964, 22.7511
Hunter-Lab	53.6915, 18.7207, -11.3742

Details

The XYZ color **33.8936, 28.8278, 44.3354** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.2758, 37.6505, 27.9161**, and the grayscale version is **28.9606, 30.4688, 33.1805**.

A 20% lighter version of the original color is **65.0515, 57.6233, 83.2951**, and **14.6985, 11.6507, 19.8865** is the 20% darker color. If you saturate the color by 10%, you get **31.6664, 24.4357, 43.3997**, and if you desaturate by 10%, it is **36.5253, 34.0278, 45.4071**.

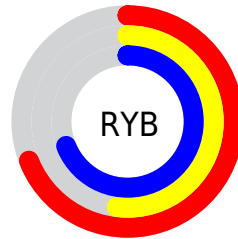
Distribution



Red (69%)

Green (52%)

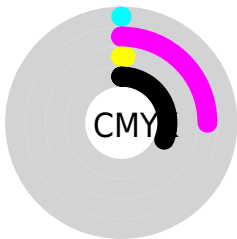
Blue (69%)



Red (69%)

Yellow (52%)

Blue (69%)

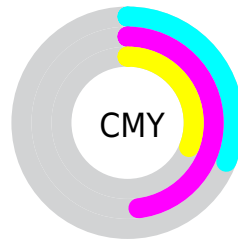


Cyan (0%)

Magenta (25%)

Yellow (1%)

Black (31%)



Cyan (31%)


Magenta (48%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8936, 28.8278, 44.3354 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 33.8936, 28.8278, 44.3354 by changing the saturation by 10% instead.


 33.8936, 28.8278,
44.3354


 33.8936, 28.8278,
44.3354


311.2516,
296.4016, 380.1565


 22.9744, 18.9506,
30.5951


 65.1136, 57.8034,
83.0301

 14.6952, 11.6346,
20.0349


 86.1450, 77.6705,
108.8215

 8.6907, 6.4954,
12.2361


 111.2779,
101.6365, 139.4672

 4.5954, 3.1486,
6.7802

140.8776,
130.0856, 175.3855

 2.0442, 1.2098,
3.2487

175.3095,
163.4023, 216.9950

 0.6586, 0.0697,
1.2230

214.9389,

 0.0000, 0.0000,

201.9709, 264.7144

0.0000

260.1311,
246.1759, 318.9620

■ 33.8936, 28.8278,
44.3354

■ 33.8936, 28.8278,
44.3354

■ 31.6664, 24.4357,
43.3997

■ 36.5253, 34.0278,
45.4071

■ 29.8209, 20.8073,
42.5916

■ 39.5777, 40.0693,
46.6193

■ 28.3360, 17.8999,
41.9041

■ 43.0692, 46.9889,
47.9785

■ 27.1875, 15.6652,
41.3295

■ 47.0164, 54.8198,
49.4901

■ 26.3484, 14.0490,
40.8585

■ 51.4351, 63.5934,
51.1594

■ 25.7873, 12.9887,
40.4807

■ 56.3402, 73.3397,
52.9915

■ 25.4659, 12.4076,
40.1834

■ 61.6806, 83.9566,
54.9693

■ 25.3511, 12.2088,
40.0503

■ 61.7208, 83.9727,
55.1809

■ 61.7611, 83.9888,
55.3931

Harmonies

Analogous

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



30.7524, 28.8278, 53.8999



33.8936, 28.8278, 44.3354



35.2913, 28.8278, 32.7080

Triad

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



33.8936, 28.8278, 44.3354



27.8569, 28.8278, 14.8918



21.4059, 28.8278, 41.5579

Complementary

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



33.8936, 28.8278, 44.3354



29.2758, 37.6505, 27.9161

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.



20.7825, 28.8278, 30.1051



33.8936, 28.8278, 44.3354



24.3005, 28.8278, 16.2226

Square

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



33.8936, 28.8278, 44.3354



31.6103, 28.8278, 17.0753



21.7937, 28.8278, 21.2449



23.5812, 28.8278, 52.0553

Rectangle

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



33.8936, 28.8278, 44.3354



34.9597, 28.8278, 25.8816



21.7937, 28.8278, 21.2449



21.0170, 28.8278, 37.6260

Sweetspot

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



33.8945, 28.8291, 44.3360



70.5384, 70.2127, 84.0621



25.7199, 24.6035, 44.4681



15.2154, 15.0748, 18.1894



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.



33.8945, 28.8291, 44.3360



59.1512, 47.7058, 79.4420



31.9286, 28.0427, 33.9837



8.8415, 8.6433, 10.6639



18.6035, 8.9590, 29.4016



0.5880, 0.2829, 0.9388

Inverse Universe

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



33.8945, 28.8291, 44.3360



59.1512, 47.7058, 79.4420



30.9361, 38.3146, 36.6591



8.8415, 8.6433, 10.6639



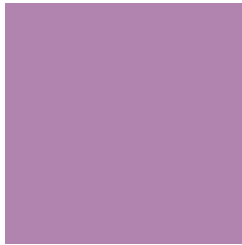
18.6035, 8.9590, 29.4016



0.5880, 0.2829, 0.9388

Previews

White Background



This preview shows how the XYZ color 33.8936, 28.8278, 44.3354 looks on a white background.

Color Contrast Check

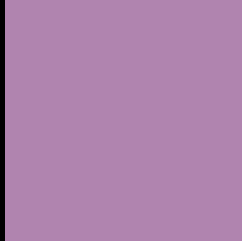
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8936, 28.8278, 44.3354 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

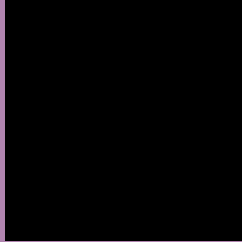
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8936, 28.8278, 44.3354

Background



This preview shows how black text looks on a background with the XYZ color 33.8936, 28.8278, 44.3354.



This preview shows how white text looks on a background with the XYZ color 33.8936, 28.8278,

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

33.8936, 28.8278, 44.3354

Protanopia

29.0937, 29.0299, 49.4173

Deuteranopia

29.5780, 28.9580, 43.5657



Tritanopia

31.3042, 28.8001, 31.9260

Trichromacy



Original Color

33.8936, 28.8278, 44.3354

Protanomaly

30.4811, 28.6717, 47.6437

Deuteranomaly

30.9732, 28.7903, 43.9690

Tritanomaly

32.0691, 28.6808, 36.1935

Monochromacy



Original Color

33.8936, 28.8278, 44.3354

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.3785, 29.5191, 36.8975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8936, 28.8278, 44.3354 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(176, 132, 175)` looks like.

```
.text, #text, p{  
    color:rgb(176, 132, 175)  
}
```

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(176, 132, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 132, 175) }
```

Border

The CSS property to change the border of an element to XYZ 33.8936, 28.8278, 44.3354 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(176, 132, 175) }
```


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

```
.border{ border-color:rgb(176, 132, 175) }
```

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

Here you see how a box with a 4 pixel rgb(176, 132, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 132, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 132, 175);  
box-shadow:4px 4px 4px 4px rgb(176, 132,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8936, 28.8278, 44.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 132, 175) }
```

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

```
.background{ background-color: rgb(176,  
132, 175) }
```

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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