

Converting Colors

XYZ(33.5218, 28.7578, 44.3503)

Have a look what the booklet for
XYZ(33.5218, 28.7578, 44.3503)
contains.

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Color

**XYZ(33.5810, 28.8689,
44.3598)**

Conversions

Conversions Part 1

Format	Color
Hex	AE85AF
RGB	174, 133, 175
RGB Percent	68%, 52%, 69%
CMY	0.3176, 0.4784, 0.3137
CMYK	0.01, 0.24, 0.00, 0.31
HSL	299°, 21%, 60%
HSV	299°, 24%, 69%
XYZ	33.5810, 28.8689, 44.3598
YIQ	150.0470, 10.9540, 21.7540

Conversions

Conversions Part 2

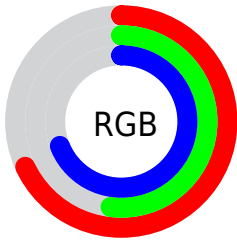
Format	Color
RYB	174, 133, 175
Decimal	11437487
CIELab	60.67, 23.02, -16.08
CIElCh	61, 28.079, 325.055
Yxy	28.8689, 0.3144, 0.2703
Android (android.graphics.Color)	4289627567 (0xFFAE85AF)
YUV	150.0470, 12.3018, 21.0068
Hunter-Lab	53.7298, 17.5350, -11.3395

Details

The XYZ color **33.5810, 28.8689, 44.3598** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.3961, 37.4225, 27.8657**, and the grayscale version is **28.9563, 30.4643, 33.1756**.

A 20% lighter version of the original color is **64.6158, 57.7103, 83.3349**, and **14.4913, 11.6566, 19.8985** is the 20% darker color. If you saturate the color by 10%, you get **31.2895, 24.4230, 43.6228**, and if you desaturate by 10%, it is **36.2737, 34.1158, 45.2311**.

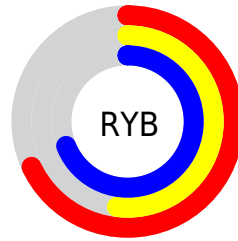
Distribution



Red (68%)

Green (52%)

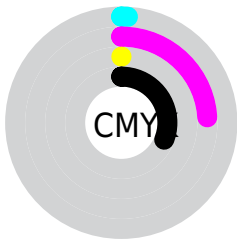
Blue (69%)



Red (68%)

Yellow (52%)

Blue (69%)

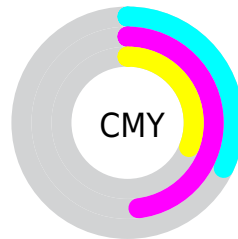


Cyan (1%)

Magenta (24%)

Yellow (0%)

Black (31%)



Cyan (32%)


Magenta (48%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5810, 28.8689, 44.3598 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 33.5810, 28.8689, 44.3598 by changing the saturation by 10% instead.


 33.5810, 28.8689,
44.3598


 33.5810, 28.8689,
44.3598

309.8786,
296.5959, 380.2588


 22.7333, 18.9817,
30.6142


 64.6302, 57.8687,
83.0671

 14.5163, 11.6570,
20.0493


 85.5623, 77.7501,
108.8659

 8.5647, 6.5106,
12.2464


 110.5867,
101.7317, 139.5195

 4.5132, 3.1580,
6.7872

140.0686,
130.1978, 175.4465

 1.9964, 1.2148,
3.2529

174.3733,
163.5329, 217.0654

 0.6319, 0.0737,
1.2252

213.8664,

 0.0000, 0.0000,

202.1213, 264.7947

0.0000

258.9130,
246.3475, 319.0530

■ 33.5810, 28.8689,
44.3598

■ 33.5810, 28.8689,
44.3598

■ 31.2895, 24.4230,
43.6228

■ 36.2737, 34.1158,
45.2311

■ 29.3768, 20.7347,
43.0117

■ 39.3834, 40.1968,
46.2409

■ 27.8224, 17.7625,
42.5200

■ 42.9281, 47.1475,
47.3957

■ 26.6026, 15.4593,
42.1397

■ 46.9243, 55.0005,
48.7009

■ 25.6911, 13.7721,
41.8621

■ 51.3872, 63.7866,
50.1615

■ 25.0576, 12.6403,
41.6770

■ 56.3316, 73.5354,
51.7826

■ 24.6653, 11.9909,
41.5723

■ 61.6104, 83.9525,
53.5151

■ 24.4969, 11.7347,
41.5318

■ 61.7054, 84.0015,
53.5196

■ 61.8007, 84.0506,
53.5240

Harmonies

Analogous

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



30.5090, 28.8689, 53.2959



33.5810, 28.8689, 44.3598



35.0140, 28.8689, 33.1918

Triad

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



33.5810, 28.8689, 44.3598



28.0463, 28.8689, 15.4019



21.5780, 28.8689, 40.7026

Complementary

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



33.5810, 28.8689, 44.3598



29.3961, 37.4225, 27.8657

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.



21.0439, 28.8689, 29.7381



33.5810, 28.8689, 44.3598



24.5822, 28.8689, 16.5548

Square

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



33.5810, 28.8689, 44.3598



31.6435, 28.8689, 17.7065



22.0957, 28.8689, 21.2990



23.6245, 28.8689, 50.8784

Rectangle

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



33.5810, 28.8689, 44.3598



34.7628, 28.8689, 26.5119



22.0957, 28.8689, 21.2990



21.2237, 28.8689, 36.9289

Sweetspot

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



33.5819, 28.8702, 44.3604



68.7120, 68.4247, 82.2227



25.9925, 25.2441, 44.0605



15.1987, 15.0649, 18.2511



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.



33.5819, 28.8702, 44.3604



57.7977, 47.1494, 78.6913



32.0177, 28.2703, 34.9570



8.3180, 8.1382, 10.0851



17.5506, 8.4075, 29.7423



0.4940, 0.2369, 0.8277

Inverse Universe

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



30.3708, 27.6115, 26.2844



51.0152, 44.4932, 40.4092



30.7206, 37.9339, 35.6680



8.0127, 8.0183, 8.3776



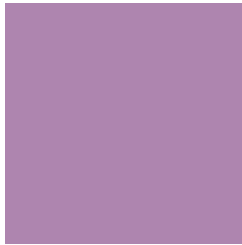
12.6803, 6.5347, 0.6958



0.3552, 0.1828, 0.0322

Previews

White Background



This preview shows how the XYZ color 33.5810, 28.8689, 44.3598 looks on a white background.

Color Contrast Check

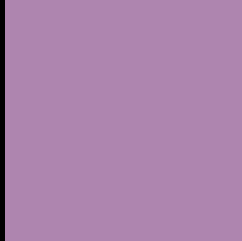
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.5810, 28.8689, 44.3598 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

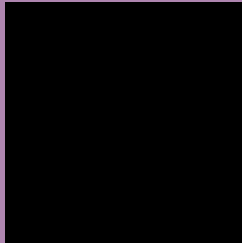
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.5810, 28.8689, 44.3598

Background



This preview shows how black text looks on a background with the XYZ color 33.5810, 28.8689, 44.3598.



This preview shows how white text looks on a background with the XYZ color 33.5810, 28.8689,

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

33.5810, 28.8689, 44.3598

Protanopia

28.9892, 28.9881, 48.8671

Deuteranopia

29.5780, 28.9580, 43.5657



Tritanopia

31.0909, 28.8929, 32.3720

Trichromacy



Original Color

33.5810, 28.8689, 44.3598

Protanomaly

30.3408, 28.8291, 47.1455

Deuteranomaly

30.7772, 28.6893, 43.9599

Tritanomaly

31.7703, 28.7349, 36.2197

Monochromacy



Original Color

33.5810, 28.8689, 44.3598

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.5293, 29.8206, 36.9478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5810, 28.8689, 44.3598 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(174, 133, 175)` looks like.

```
.text, #text, p{  
    color:rgb(174, 133, 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(174, 133, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 133, 175) }
```

Border

The CSS property to change the border of an element to XYZ 33.5810, 28.8689, 44.3598 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(174, 133, 175) }
```


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

```
.border{ border-color:rgb(174, 133, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 133, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 133, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 133, 175);  
box-shadow:4px 4px 4px 4px rgb(174, 133,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5810, 28.8689, 44.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 133, 175) }
```

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

```
.background{ background-color: rgb(174,  
133, 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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