

Converting Colors

XYZ(33.4882, 28.3647, 43.8822)

Have a look what the booklet for
XYZ(33.4882, 28.3647, 43.8822)
contains.

XYZ(33.4355, 28.4026, 43.7644)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.4355, 28.4026,
43.7644)**

Conversions

Conversions Part 1

Format	Color
Hex	AF83AE
RGB	175, 131, 174
RGB Percent	69%, 51%, 68%
CMY	0.3137, 0.4863, 0.3176
CMYK	0.00, 0.25, 0.01, 0.31
HSL	301°, 22%, 60%
HSV	301°, 25%, 69%
XYZ	33.4355, 28.4026, 43.7644
YIQ	149.0580, 12.4210, 22.7010

Conversions

Conversions Part 2

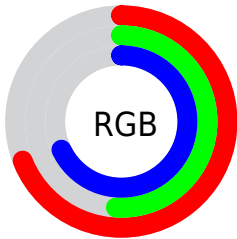
Format	Color
RYB	175, 131, 174
Decimal	11502510
CIELab	60.25, 24.29, -16.13
CIELCh	60, 29.162, 326.414
Yxy	28.4026, 0.3166, 0.2690
Android (android.graphics.Color)	4289692590 (0xFFAF83AE)
YUV	149.0580, 12.2964, 22.7511
Hunter-Lab	53.2941, 18.7222, -11.3823

Details

The XYZ color **33.4355, 28.4026, 43.7644** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **28.8561, 37.1521, 27.4816**, and the grayscale version is **28.5385, 30.0247, 32.6969**.

A 20% lighter version of the original color is **64.3784, 56.9831, 82.4686**, and **14.4813, 11.4276, 19.8548** is the 20% darker color. If you saturate the color by 10%, you get **31.2423, 24.0777, 42.8425**, and if you desaturate by 10%, it is **36.0276, 33.5240, 44.8204**.

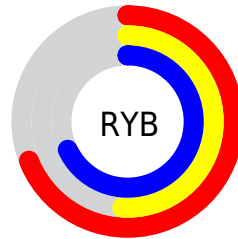
Distribution



Red (69%)

Green (51%)

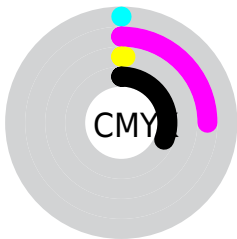
Blue (68%)



Red (69%)

Yellow (51%)

Blue (68%)

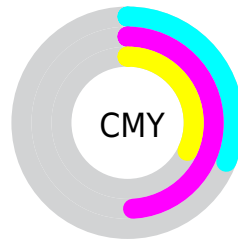


Cyan (0%)

Magenta (25%)

Yellow (1%)

Black (31%)



Cyan (31%)


Magenta (49%)


Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4355, 28.4026, 43.7644 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 33.4355, 28.4026, 43.7644 by changing the saturation by 10% instead.


 33.4355, 28.4026,
43.7644

 33.4355, 28.4026,
43.7644

309.2380,
294.3857, 377.7592


 22.6211, 18.6294,
30.1495


 64.4050, 57.1266,
82.1618

 14.4331, 11.4028,
19.6991


 85.2908, 76.8461,
107.7814

 8.5062, 6.3384,
11.9946


 110.2645,
100.6498, 138.2396

 4.4751, 3.0519,
6.6175

139.6913,
128.9222, 173.9550

 1.9742, 1.1589,
3.1493

173.9368,
162.0476, 215.3461

 0.6194, 0.0278,
1.1713

213.3661,

 0.0000, 0.0000,

200.4104, 262.8315

0.0000

258.3447,
244.3949, 316.8296

■ 33.4355, 28.4026,
43.7644

■ 33.4355, 28.4026,
43.7644

■ 31.2423, 24.0777,
42.8425

■ 36.0276, 33.5240,
44.8204

■ 29.4254, 20.5056,
42.0463

■ 39.0344, 39.4753,
46.0149

■ 27.9639, 17.6444,
41.3692

■ 42.4742, 46.2924,
47.3544

■ 26.8342, 15.4463,
40.8032

■ 46.3634, 54.0080,
48.8441

■ 26.0092, 13.8577,
40.3394

■ 50.7175, 62.6533,
50.4895

■ 25.4582, 12.8168,
39.9674

■ 55.5513, 72.2578,
52.2952

■ 25.1430, 12.2472,
39.6746

■ 60.8789, 82.8497,
54.2662

■ 25.0323, 12.0552,
39.5467

■ 61.3936, 83.8158,
54.6335

■ 61.4334, 83.8317,
54.8430

Harmonies

Analogous

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



30.3203, 28.4026, 53.2613



33.4355, 28.4026, 43.7644



34.8216, 28.4026, 32.2308

Triad

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



33.4355, 28.4026, 43.7644



27.4478, 28.4026, 14.5976



21.0579, 28.4026, 41.0138

Complementary

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



33.4355, 28.4026, 43.7644



28.8561, 37.1521, 27.4816

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.



20.4403, 28.4026, 29.6561



33.4355, 28.4026, 43.7644



23.9236, 28.4026, 15.9133

Square

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



33.4355, 28.4026, 43.7644



31.1693, 28.4026, 16.7543



21.4411, 28.4026, 20.8808



23.2126, 28.4026, 51.4332

Rectangle

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



33.4355, 28.4026, 43.7644



34.4922, 28.4026, 25.4671



21.4411, 28.4026, 20.8808



20.6728, 28.4026, 37.1131

Sweetspot

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



33.4364, 28.4038, 43.7650



68.2141, 67.3432, 81.7419



25.3296, 24.2133, 43.8967



14.9802, 14.6093, 18.0963



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.



33.4364, 28.4038, 43.7650



57.6832, 46.5308, 77.4631



31.4859, 27.6237, 33.4940



8.3291, 8.1449, 10.0438



17.9294, 8.6343, 28.3374



0.5012, 0.2412, 0.8010

Inverse Universe

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



33.4364, 28.4038, 43.7650



57.6832, 46.5308, 77.4631



30.5017, 37.8103, 36.1472



8.3291, 8.1449, 10.0438



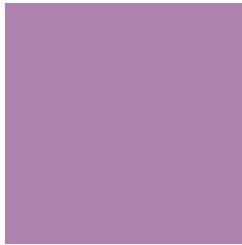
17.9294, 8.6343, 28.3374



0.5012, 0.2412, 0.8010

Previews

White Background



This preview shows how the XYZ color 33.4355, 28.4026, 43.7644 looks on a white background.

Color Contrast Check

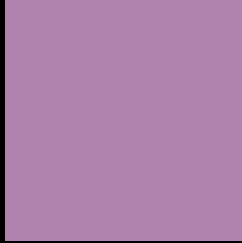
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.4355, 28.4026, 43.7644 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

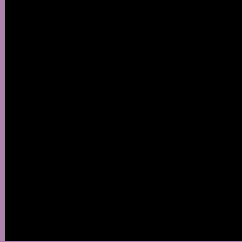
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4355, 28.4026, 43.7644

Background



This preview shows how black text looks on a background with the XYZ color 33.4355, 28.4026, 43.7644.



This preview shows how white text looks on a background with the XYZ color 33.4355, 28.4026,

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

33.4355, 28.4026, 43.7644

Protanopia

28.6738, 28.5997, 48.8088

Deuteranopia

29.1520, 28.5276, 42.9996



Tritanopia

30.8652, 28.3728, 31.4535

Trichromacy



Original Color

33.4355, 28.4026, 43.7644

Protanomaly

30.0485, 28.2446, 47.0480

Deuteranomaly

30.5359, 28.3622, 43.4002

Tritanomaly

31.6242, 28.2552, 35.6853

Monochromacy



Original Color

33.4355, 28.4026, 43.7644

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 33.4355, 28.4026, 43.7644 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(175, 131, 174)  
}
```

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, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 131, 174) }
```

Border

The CSS property to change the border of an element to XYZ 33.4355, 28.4026, 43.7644 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, 174) }
```


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

```
.border{ border-color:rgb(175, 131, 174) }
```

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, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 131, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 131, 174);  
box-shadow:4px 4px 4px 4px rgb(175, 131,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4355, 28.4026, 43.7644 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, 174) }
```

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

```
.background{ background-color: rgb(175,  
131, 174) }
```

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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