

Converting Colors

XYZ(33.8163, 29.1266, 44.8881)

Have a look what the booklet for
XYZ(33.8163, 29.1266, 44.8881)
contains.

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Color

**XYZ(33.8171, 29.1835,
44.9249)**

Conversions

Conversions Part 1

Format	Color
Hex	AE86B0
RGB	174, 134, 176
RGB Percent	68%, 53%, 69%
CMY	0.3176, 0.4745, 0.3098
CMYK	0.01, 0.24, 0.00, 0.31
HSL	297°, 21%, 61%
HSV	297°, 24%, 69%
XYZ	33.8171, 29.1835, 44.9249
YIQ	150.7480, 10.3580, 21.5420

Conversions

Conversions Part 2

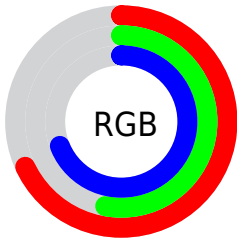
Format	Color
RYB	174, 134, 176
Decimal	11437744
CIELab	60.94, 22.65, -16.23
CIELCh	61, 27.863, 324.370
Yxy	29.1835, 0.3133, 0.2704
Android (android.graphics.Color)	4289627824 (0xFFAE86B0)
YUV	150.7480, 12.4492, 20.3920
Hunter-Lab	54.0218, 17.2012, -11.4908

Details

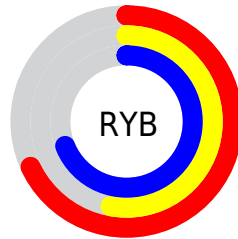
The XYZ color **33.8171, 29.1835, 44.9249** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.9829, 38.0069, 28.3116**, and the grayscale version is **29.2539, 30.7774, 33.5166**.

A 20% lighter version of the original color is **65.1818, 58.6156, 84.2224**, and **14.6306, 11.8357, 20.2523** is the 20% darker color. If you saturate the color by 10%, you get **31.3982, 24.6216, 44.1723**, and if you desaturate by 10%, it is **36.6438, 34.5582, 45.8138**.

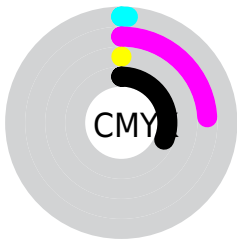
Distribution



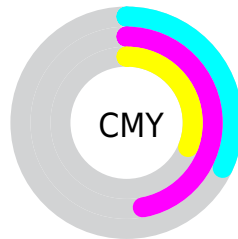
- Red (68%)
- Green (53%)
- Blue (69%)



- Red (68%)
- Yellow (53%)
- Blue (69%)



- Cyan (1%)
- Magenta (24%)
- Yellow (0%)
- Black (31%)





- Cyan (32%)
- Magenta (47%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.8171, 29.1835, 44.9249 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 33.8171, 29.1835, 44.9249 by changing the saturation by 10% instead.


 33.8171, 29.1835,
44.9249


 33.8171, 29.1835,
44.9249


310.9160,
298.0798, 382.6206


 22.9153, 19.2197,
31.0558


 64.9953, 58.3685,
83.9250

 14.6514, 11.8291,
20.3825


 86.0025, 78.3585,
109.8930

 8.6598, 6.6274,
12.4866


 111.1089,
102.4593, 140.7310

 4.5753, 3.2302,
6.9494

140.6798,
131.0553, 176.8576

 2.0325, 1.2531,
3.3525

175.0806,
164.5310, 218.6913

 0.6521, 0.1044,
1.2773

214.6767,

 0.0000, 0.0000,

203.2707, 266.6507

0.0431

259.8334,
247.6588, 321.1543

■ 0.0000, 0.0000,
0.0000

■ 33.8171, 29.1835,
44.9249

■ 33.8171, 29.1835,
44.9249

■ 31.3982, 24.6216,
44.1723

■ 36.6438, 34.5582,
45.8138

■ 29.3645, 20.8287,
43.5474

■ 39.8942, 40.7792,
46.8432

■ 27.6949, 17.7625,
43.0435

■ 43.5867, 47.8827,
48.0197

■ 26.3658, 15.3754,
42.6528

■ 47.7378, 55.9016,
49.3487

■ 25.3503, 13.6138,
42.3663

■ 52.3631, 64.8673,
50.8355

■ 24.6177, 12.4164,
42.1738

■ 57.4777, 74.8096,
52.4850

■ 24.1310, 11.7090,
42.0629

■ 62.3882, 84.3421,
54.0661

■ 23.9041, 11.4178,
42.0187

■ 62.5837, 84.4429,
54.0753

■ 62.7804, 84.5443,
54.0845

Harmonies

Analogous

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



30.7238, 29.1835, 53.7254



33.8171, 29.1835, 44.9249



35.2932, 29.1835, 33.7810

Triad

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



33.8171, 29.1835, 44.9249



28.4296, 29.1835, 15.7253



21.8448, 29.1835, 40.7739

Complementary

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



33.8171, 29.1835, 44.9249



29.9829, 38.0069, 28.3116

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.



21.3462, 29.1835, 29.8517



33.8171, 29.1835, 44.9249



24.9523, 29.1835, 16.8048

Square

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



33.8171, 29.1835, 44.9249



32.0132, 29.1835, 18.1224



22.4350, 29.1835, 21.4810



23.8615, 29.1835, 50.9855

Rectangle

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



33.8171, 29.1835, 44.9249



35.0764, 29.1835, 27.0615



22.4350, 29.1835, 21.4810



21.5020, 29.1835, 37.0083

Sweetspot

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



33.8180, 29.1848, 44.9255



70.3452, 70.1072, 84.3198



26.4876, 25.8410, 44.6665



15.1702, 15.0501, 18.2497



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.



33.8180, 29.1848, 44.9255



58.7680, 48.0822, 80.6787



32.5249, 28.7194, 35.7733



8.8093, 8.6257, 10.7070



17.5531, 8.3847, 30.8303



0.5644, 0.2701, 0.9706

Inverse Universe

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



30.8746, 28.0593, 27.0828



52.4537, 45.6726, 42.1825



31.0994, 38.4164, 35.8709



8.5122, 8.5116, 8.9298



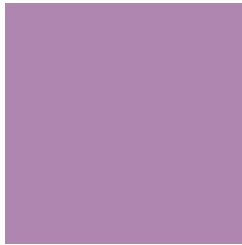
13.1768, 6.7883, 0.8250



0.4200, 0.2157, 0.0544

Previews

White Background



This preview shows how the XYZ color 33.8171, 29.1835, 44.9249 looks on a white background.

Color Contrast Check

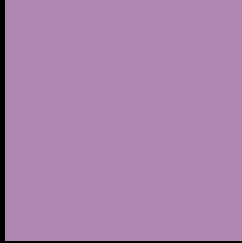
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.8171, 29.1835, 44.9249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

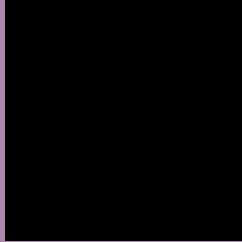
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.8171, 29.1835, 44.9249

Background



This preview shows how black text looks on a background with the XYZ color 33.8171, 29.1835, 44.9249.



This preview shows how white text looks on a background with the XYZ color 33.8171, 29.1835,

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

33.8171, 29.1835, 44.9249

Protanopia

29.4118, 29.4217, 49.4762

Deuteranopia

30.0077, 29.3921, 44.1361



Tritanopia

31.3152, 29.2133, 32.8424

Trichromacy



Original Color

33.8171, 29.1835, 44.9249

Protanomaly

30.7760, 29.2615, 47.7420

Deuteranomaly

31.2165, 29.1204, 44.5330

Tritanomaly

31.9983, 29.0525, 36.7221

Monochromacy



Original Color

33.8171, 29.1835, 44.9249

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.7686, 30.1598, 37.4574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.8171, 29.1835, 44.9249 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, 134, 176)` looks like.

```
.text, #text, p{  
    color:rgb(174, 134, 176)  
}
```

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, 134, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 134, 176) }
```

Border

The CSS property to change the border of an element to XYZ 33.8171, 29.1835, 44.9249 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, 134, 176) }
```


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

```
.border{ border-color:rgb(174, 134, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 134, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 134, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 134, 176);  
box-shadow:4px 4px 4px 4px rgb(174, 134,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 33.8171, 29.1835, 44.9249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 134, 176) }
```

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

```
.background{ background-color: rgb(174,  
134, 176) }
```

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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