

Converting Colors

XYZ(33.0501, 29.7873, 41.4516)

Have a look what the booklet for
XYZ(33.0501, 29.7873, 41.4516)
contains.

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Color

**XYZ(33.0445, 29.6995,
41.5271)**

Conversions

Conversions Part 1

Format	Color
Hex	AB8AA9
RGB	171, 138, 169
RGB Percent	67%, 54%, 66%
CMY	0.3294, 0.4588, 0.3373
CMYK	0.00, 0.19, 0.01, 0.33
HSL	304°, 16%, 61%
HSV	304°, 19%, 67%
XYZ	33.0445, 29.6995, 41.5271
YIQ	151.4010, 9.7170, 16.6370

Conversions

Conversions Part 2

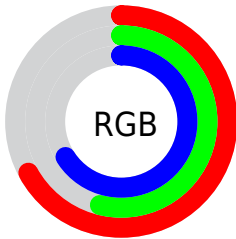
Format	Color
R_{YB}	171, 138, 169
Decimal	11242153
CIE _{Lab}	61.39, 17.98, -11.60
CIE _{LCh}	61, 21.402, 327.174
Yxy	29.6995, 0.3169, 0.2848
Android (android.graphics.Color)	4289432233 (0xFFAB8AA9)
YUV	151.4010, 8.6763, 17.1883
Hunter-Lab	54.4972, 12.8636, -7.0311

Details

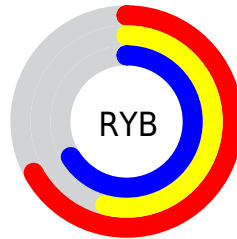
The XYZ color **33.0445, 29.6995, 41.5271** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **29.7789, 36.4234, 30.2734**, and the grayscale version is **29.5490, 31.0879, 33.8547**.

A 20% lighter version of the original color is **63.9827, 59.4120, 78.6164**, and **14.1718, 12.1154, 18.4212** is the 20% darker color. If you saturate the color by 10%, you get **30.6851, 25.1353, 40.2628**, and if you desaturate by 10%, it is **35.7927, 35.0391, 42.9255**.

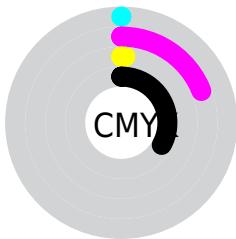
Distribution



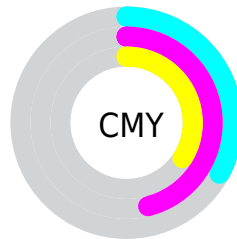
- Red (67%)
- Green (54%)
- Blue (66%)



- Red (67%)
- Yellow (54%)
- Blue (66%)



- Cyan (0%)
- Magenta (19%)
- Yellow (1%)
- Black (33%)



- Cyan (33%)
- Magenta (46%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.0445, 29.6995, 41.5271 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 33.0445, 29.6995, 41.5271 by changing the saturation by 10% instead.

■ 33.0445, 29.6995,
41.5271

■ 33.0445, 29.6995,
41.5271

307.5116,
300.5012, 368.2605

■ 22.3199, 19.6106,
28.4084

■ 63.7992, 59.1866,
78.7458

■ 14.2101, 12.1123,
18.3920

■ 84.5601, 79.3537,
103.6828

■ 8.3496, 6.8202,
11.0595

■ 109.3971,
103.6489, 133.3963

■ 4.3731, 3.3499,
5.9922

138.6756,
132.4566, 168.3049

■ 1.9153, 1.3170,
2.7716

172.7609,
166.1614, 208.8270

■ 0.5857, 0.1543,
0.9792

212.0185,

■ 0.0000, 0.0000,

205.1474, 255.3813

0.0000

256.8136,
249.7993, 308.3863

■ 33.0445, 29.6995,
41.5271

■ 33.0445, 29.6995,
41.5271

■ 30.6851, 25.1353,
40.2628

■ 35.7927, 35.0391,
42.9255

■ 28.6938, 21.3066,
39.1246

■ 38.9440, 41.1840,
44.4618

■ 27.0521, 18.1758,
38.1067

■ 42.5150, 48.1671,
46.1417

■ 25.7386, 15.7003,
37.2021

■ 46.5207, 56.0185,
47.9704

■ 24.7299, 13.8330,
36.4028

■ 50.9754, 64.7666,
49.9527

■ 23.9991, 12.5205,
35.6999

■ 55.8927, 74.4387,
52.0929

■ 23.5151, 11.7002,
35.0830

■ 60.4166, 83.3228,
54.1059

■ 23.2153, 11.2471,
34.5313

■ 60.5198, 83.3640,
54.6492

■ 23.1958, 11.2184,
34.4931

■ 60.6238, 83.4056,
55.1966

Harmonies

Analogous

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



30.7831, 29.6995, 48.2490



33.0445, 29.6995, 41.5271



34.0100, 29.6995, 33.1109

Triad

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



33.0445, 29.6995, 41.5271



28.4972, 29.6995, 19.1535



23.6658, 29.6995, 39.9769

Complementary

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



33.0445, 29.6995, 41.5271



29.7789, 36.4234, 30.2734

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.



23.1424, 29.6995, 31.5766



33.0445, 29.6995, 41.5271



25.8193, 29.6995, 20.3765

Square

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



33.0445, 29.6995, 41.5271



31.2773, 29.6995, 20.9456



23.9047, 29.6995, 24.6150



25.3845, 29.6995, 47.2543

Rectangle

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



33.0445, 29.6995, 41.5271



33.7439, 29.6995, 27.9575



23.9047, 29.6995, 24.6150



23.3494, 29.6995, 37.1531

Sweetspot

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



33.0454, 29.7008, 41.5277



65.8227, 66.1037, 77.7269



27.1969, 26.6639, 42.2418



14.6021, 14.5920, 17.2957



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



33.0454, 29.7008, 41.5277



57.3623, 49.6672, 73.4138



31.6215, 29.1312, 34.0295



8.3158, 8.1396, 9.9738



17.4930, 8.4598, 26.0395



0.4928, 0.2378, 0.7569

Inverse Universe

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



33.0454, 29.7008, 41.5277



57.3623, 49.6672, 73.4138



31.0587, 36.9353, 37.0124



8.3158, 8.1396, 9.9738



17.4930, 8.4598, 26.0395



0.4928, 0.2378, 0.7569

Previews

White Background



This preview shows how the XYZ color 33.0445, 29.6995, 41.5271 looks on a white background.

Color Contrast Check

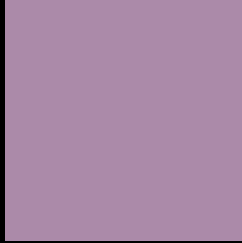
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.0445, 29.6995, 41.5271 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 33.0445, 29.6995, 41.5271

Background



This preview shows how black text looks on a background with the XYZ color 33.0445, 29.6995, 41.5271.



This preview shows how white text looks on a background with the XYZ color 33.0445, 29.6995,

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

33.0445, 29.6995, 41.5271

Protanopia

29.4993, 29.8022, 44.7551

Deuteranopia

30.5197, 29.9480, 41.2178



Tritanopia

31.5546, 29.7518, 33.7853

Trichromacy



Original Color

33.0445, 29.6995, 41.5271

Protanomaly

30.6530, 29.7360, 43.6592

Deuteranomaly

31.2381, 29.6467, 41.1218

Tritanomaly

32.1272, 29.7708, 36.4008

Monochromacy



Original Color

33.0445, 29.6995, 41.5271

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.5510, 30.2955, 36.5852

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0445, 29.6995, 41.5271 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(171, 138, 169)` looks like.

```
.text, #text, p{  
    color:rgb(171, 138, 169)  
}
```

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(171, 138, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 138, 169) }
```

Border

The CSS property to change the border of an element to XYZ 33.0445, 29.6995, 41.5271 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(171, 138, 169) }
```


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

```
.border{ border-color:rgb(171, 138, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 138, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 138, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 138, 169);  
box-shadow:4px 4px 4px 4px rgb(171, 138,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0445, 29.6995, 41.5271 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 138, 169) }
```

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

```
.background{ background-color: rgb(171,  
138, 169) }
```

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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