

Converting Colors

XYZ(33.2226, 28.4186, 45.5185)

Have a look what the booklet for
XYZ(33.2226, 28.4186, 45.5185)
contains.

XYZ(33.2003, 28.4475, 45.3360)	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(33.2003, 28.4475,
45.3360)**

Conversions

Conversions Part 1

Format	Color
Hex	AC84B1
RGB	172, 132, 177
RGB Percent	67%, 52%, 69%
CMY	0.3255, 0.4823, 0.3059
CMYK	0.03, 0.25, 0.00, 0.31
HSL	293°, 22%, 61%
HSV	293°, 25%, 69%
XYZ	33.2003, 28.4475, 45.3360
YIQ	149.0900, 9.3950, 22.4750

Conversions

Conversions Part 2

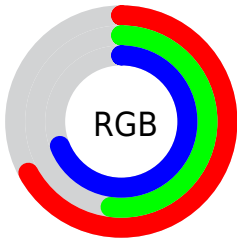
Format	Color
RYB	172, 132, 177
Decimal	11306161
CIELab	60.29, 23.29, -17.81
CIElCh	60, 29.320, 322.597
Yxy	28.4475, 0.3103, 0.2659
Android (android.graphics.Color)	4289496241 (0xFFAC84B1)
YUV	149.0900, 13.7596, 20.0921
Hunter-Lab	53.3362, 17.7729, -13.0614

Details

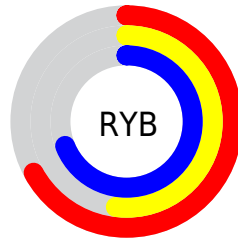
The XYZ color **33.2003, 28.4475, 45.3360** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **30.2045, 38.4293, 27.6569**, and the grayscale version is **28.5468, 30.0335, 32.7065**.

A 20% lighter version of the original color is **64.0519, 57.0751, 84.7315**, and **14.2631, 11.4118, 20.5197** is the 20% darker color. If you saturate the color by 10%, you get **30.5726, 23.8275, 44.5832**, and if you desaturate by 10%, it is **36.2434, 33.8877, 46.2261**.

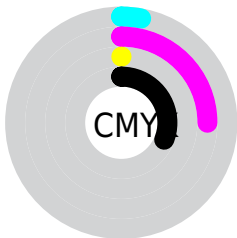
Distribution



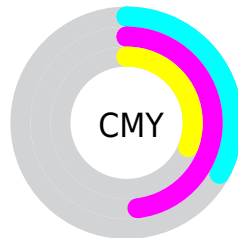
- Red (67%)
- Green (52%)
- Blue (69%)



- Red (67%)
- Yellow (52%)
- Blue (69%)



- Cyan (3%)
- Magenta (25%)
- Yellow (0%)
- Black (31%)





- Cyan (33%)
- Magenta (48%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.2003, 28.4475, 45.3360 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 33.2003, 28.4475, 45.3360 by changing the saturation by 10% instead.


 33.2003, 28.4475,
45.3360


 33.2003, 28.4475,
45.3360


308.2004,
294.5991, 384.3324

 22.4399, 18.6633,
31.3773


 64.0407, 57.1981,
84.5482

 14.2989, 11.4272,
20.6254

 84.8514, 76.9333,
110.6387

 8.4119, 6.3550,
12.6619


 109.7430,
100.7542, 141.6103

 4.4137, 3.0621,
7.0682

139.0807,
129.0453, 177.8814

 1.9387, 1.1642,
3.4257

173.2299,
162.1909, 219.8707

 0.5992, 0.0322,
1.3159

212.5560,

 0.0000, 0.0000,

200.5755, 267.9965

0.0748

257.4244,
244.5834, 322.6776

■ 0.0000, 0.0000,
0.0000

■ 33.2003, 28.4475,
45.3360

■ 33.2003, 28.4475,
45.3360

■ 30.5726, 23.8275,
44.5832

■ 36.2434, 33.8877,
46.2261

■ 28.3370, 19.9830,
43.9589

■ 39.7184, 40.1825,
47.2580

■ 26.4720, 16.8704,
43.4564

■ 43.6441, 47.3692,
48.4382

■ 24.9531, 14.4405,
43.0675

■ 48.0372, 55.4812,
49.7725

■ 23.7526, 12.6379,
42.7828

■ 52.9140, 64.5508,
51.2660

■ 22.8384, 11.3988,
42.5918

■ 58.2895, 74.6083,
52.9240

■ 22.1706, 10.6432,
42.4812

■ 63.8892, 85.1044,
54.6548

■ 21.9058, 10.3761,
42.4436

■ 64.3695, 85.3520,
54.6773

■ 64.8565, 85.6030,
54.7001

Harmonies

Analogous

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



29.9138, 28.4475, 54.3023



33.2003, 28.4475, 45.3360



34.8634, 28.4475, 33.7205

Triad

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



33.2003, 28.4475, 45.3360



27.9811, 28.4475, 14.6400



20.8960, 28.4475, 39.6346

Complementary

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



33.2003, 28.4475, 45.3360



30.2045, 38.4293, 27.6569

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.



20.4819, 28.4475, 28.3818



33.2003, 28.4475, 45.3360



24.3536, 28.4475, 15.5171

Square

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



33.2003, 28.4475, 45.3360



31.6737, 28.4475, 17.2620



21.6905, 28.4475, 20.0198



22.8791, 28.4475, 50.5140

Rectangle

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



33.2003, 28.4475, 45.3360



34.7287, 28.4475, 26.6731



21.6905, 28.4475, 20.0198



20.5766, 28.4475, 35.7151

Sweetspot

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



33.2012, 28.4487, 45.3366



69.3657, 68.7490, 84.1092



26.4340, 26.0437, 45.2291



14.8291, 14.5297, 18.1673



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.



33.2012, 28.4487, 45.3366



56.5006, 45.7259, 80.3434



32.7069, 28.3802, 36.8981



8.7552, 8.5978, 10.7044



15.9031, 7.5342, 30.7530



0.5267, 0.2506, 0.9689

Inverse Universe

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



30.8990, 27.6570, 27.3780



51.6672, 44.0781, 41.9863



30.6836, 38.5284, 34.3592



8.5335, 8.5201, 9.0418



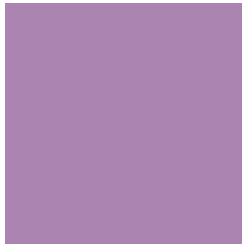
13.2380, 6.8128, 1.1476



0.4289, 0.2193, 0.1011

Previews

White Background



This preview shows how the XYZ color 33.2003, 28.4475, 45.3360 looks on a white background.

Color Contrast Check

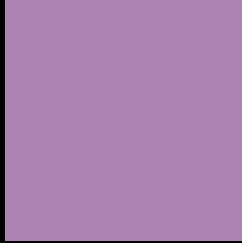
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2003, 28.4475, 45.3360 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

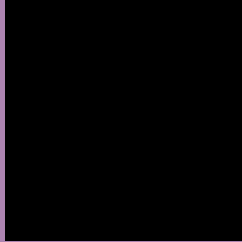
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2003, 28.4475, 45.3360

Background



This preview shows how black text looks on a background with the XYZ color 33.2003, 28.4475, 45.3360.



This preview shows how white text looks on a background with the XYZ color 33.2003, 28.4475,

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

33.2003, 28.4475, 45.3360

Protanopia

28.7219, 28.6002, 49.9055

Deuteranopia

29.0879, 28.4609, 44.5178



Tritanopia

30.4394, 28.3543, 31.8856

Trichromacy



Original Color

33.2003, 28.4475, 45.3360

Protanomaly

30.0343, 28.4295, 48.1604

Deuteranomaly

30.4425, 28.2801, 44.9284

Tritanomaly

31.2842, 28.2662, 36.6079

Monochromacy



Original Color

33.2003, 28.4475, 45.3360

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

29.9851, 29.3162, 36.8791

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2003, 28.4475, 45.3360 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(172, 132, 177)` looks like.

```
.text, #text, p{  
    color:rgb(172, 132, 177)  
}
```

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(172, 132, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 132, 177) }
```

Border

The CSS property to change the border of an element to XYZ 33.2003, 28.4475, 45.3360 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(172, 132, 177) }
```


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

```
.border{ border-color:rgb(172, 132, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 132, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 132, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 132, 177);  
box-shadow:4px 4px 4px 4px rgb(172, 132,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2003, 28.4475, 45.3360 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 132, 177) }
```

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

```
.background{ background-color: rgb(172,  
132, 177) }
```

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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