

Converting Colors

XYZ(33.1574, 27.4462, 49.3818)

Have a look what the booklet for
XYZ(33.1574, 27.4462, 49.3818)
contains.

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Color

**XYZ(33.2707, 27.5991,
49.4725)**

Conversions

Conversions Part 1

Format	Color
Hex	AB80B9
RGB	171, 128, 185
RGB Percent	67%, 50%, 73%
CMY	0.3294, 0.4980, 0.2745
CMYK	0.08, 0.31, 0.00, 0.27
HSL	285°, 29%, 61%
HSV	285°, 31%, 73%
XYZ	33.2707, 27.5991, 49.4725
YIQ	147.3550, 7.3310, 26.8430

Conversions

Conversions Part 2

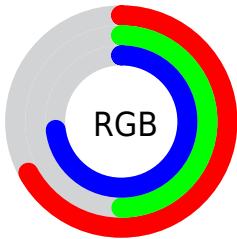
Format	Color
R _Y B	171, 128, 185
Decimal	11239609
CIE Lab	59.52, 26.84, -23.54
CIE LCh	60, 35.702, 318.749
Yxy	27.5991, 0.3015, 0.2501
Android (android.graphics.Color)	4289429689 (0xFFAB80B9)
YUV	147.3550, 18.5590, 20.7367
Hunter-Lab	52.5348, 21.1094, -19.0595

Details

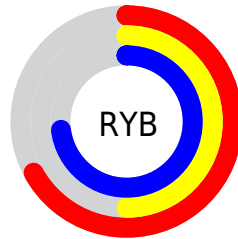
The XYZ color **33.2707, 27.5991, 49.4725** is a light color, and the websafe version is hex **996699**. A complement of this color would be **32.4016, 42.0079, 26.8241**, and the grayscale version is **27.8043, 29.2523, 31.8557**.

A 20% lighter version of the original color is **64.0796, 55.7295, 90.5986**, and **14.3605, 10.9663, 23.1896** is the 20% darker color. If you saturate the color by 10%, you get **30.1015, 22.7044, 48.6952**, and if you desaturate by 10%, it is **36.9156, 33.3935, 50.3992**.

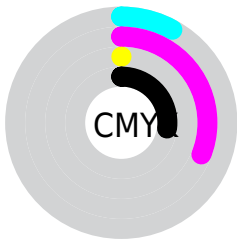
Distribution



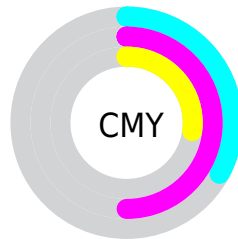
- Red (67%)
- Green (50%)
- Blue (73%)



- Red (67%)
- Yellow (50%)
- Blue (73%)



- Cyan (8%)
- Magenta (31%)
- Yellow (0%)
- Black (27%)



- Cyan (33%)
- Magenta (50%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2707, 27.5991, 49.4725 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 33.2707, 27.5991, 49.4725 by changing the saturation by 10% instead.

■ 33.2707, 27.5991,
49.4725

■ 33.2707, 27.5991,
49.4725

308.5112,
290.5463, 401.2753

■ 22.4941, 18.0237,
34.6262

■ 64.1498, 55.8437,
90.7811

■ 14.3391, 10.9670,
23.0938

■ 84.9830, 75.2818,
118.0804

■ 8.4401, 6.0446,
14.4569

■ 109.8991, 98.7761,
150.3678

■ 4.4320, 2.8722,
8.2967

139.2636,
126.7111, 188.0619

■ 1.9493, 1.0654,
4.1949

173.4416,
159.4713, 231.5811

■ 0.6053, 0.0000,
1.7329

212.7987,

■ 0.0000, 0.0000,

197.4409, 281.3441

0.3831

257.7001,
241.0044, 337.7693

■ 0.0000, 0.0000,
0.0000

■ 33.2707, 27.5991,
49.4725

■ 33.2707, 27.5991,
49.4725

■ 30.1015, 22.7044,
48.6952

■ 36.9156, 33.3935,
50.3992

■ 27.3812, 18.6580,
48.0575

■ 41.0561, 40.1286,
51.4810

■ 25.0839, 15.4083,
47.5513

■ 45.7139, 47.8469,
52.7253

■ 23.1803, 12.8968,
47.1669

■ 50.9088, 56.5874,
54.1386

■ 21.6367, 11.0569,
46.8931

■ 56.6594, 66.3868,
55.7270

■ 20.4134, 9.8095,
46.7168

■ 62.9834, 77.2802,
57.4963

■ 19.4985, 9.0402,
46.6166

■ 69.0936, 87.6925,
59.1840

■ 70.3479, 88.3391,
59.2427

■ 71.6387, 89.0045,
59.3032

Harmonies

Analogous

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



29.1052, 27.5991, 60.0597



33.2707, 27.5991, 49.4725



35.6402, 27.5991, 35.1359

Triad

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



33.2707, 27.5991, 49.4725



27.9523, 27.5991, 11.7427



18.8787, 27.5991, 38.7164

Complementary

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



33.2707, 27.5991, 49.4725



32.4016, 42.0079, 26.8241

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.



18.6451, 27.5991, 25.4815



33.2707, 27.5991, 49.4725



23.5546, 27.5991, 12.1956

Square

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



33.2707, 27.5991, 49.4725



32.3443, 27.5991, 15.0347



20.2636, 27.5991, 16.5217



20.9430, 27.5991, 52.7282

Rectangle

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



33.2707, 27.5991, 49.4725



35.7205, 27.5991, 26.4456



20.2636, 27.5991, 16.5217



18.5930, 27.5991, 33.9695

Sweetspot

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



33.2716, 27.6003, 49.4731



74.8516, 74.0426, 92.5512



27.3704, 27.5138, 49.7674



15.8881, 15.5535, 19.8863



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.2716, 27.6003, 49.4731



55.6405, 43.3028, 87.6303



35.0545, 28.6846, 42.0931



9.1596, 9.0487, 11.3432



13.3452, 6.1909, 31.7447



0.5229, 0.2453, 1.1215

Inverse Universe

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



32.6102, 27.7069, 29.2217



54.4247, 43.6187, 44.9818



31.1533, 41.2483, 32.0107



9.0927, 9.0474, 9.8354



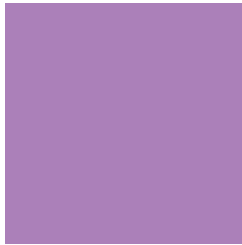
13.9766, 7.1644, 2.4974



0.5180, 0.2627, 0.2212

Previews

White Background



This preview shows how the XYZ color 33.2707, 27.5991, 49.4725 looks on a white background.

Color Contrast Check

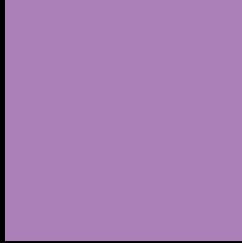
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.2707, 27.5991, 49.4725 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

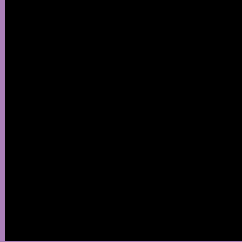
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.2707, 27.5991, 49.4725

Background



This preview shows how black text looks on a background with the XYZ color 33.2707, 27.5991, 49.4725.



This preview shows how white text looks on a background with the XYZ color 33.2707, 27.5991,

49.4725.

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

33.2707, 27.5991, 49.4725

Protanopia

28.4254, 27.8753, 55.5121

Deuteranopia

28.3886, 27.7870, 48.6669



Tritanopia

29.5095, 27.6830, 30.9822

Trichromacy



Original Color

33.2707, 27.5991, 49.4725

Protanomaly

29.8512, 27.5822, 53.0408

Deuteranomaly

29.8503, 27.4586, 49.0742

Tritanomaly

30.6690, 27.5286, 36.9548

Monochromacy



Original Color

33.2707, 27.5991, 49.4725

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

29.5214, 28.3973, 37.6435

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2707, 27.5991, 49.4725 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, 128, 185)` looks like.

```
.text, #text, p{  
    color:rgb(171, 128, 185)  
}
```

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, 128, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 128, 185) }
```

Border

The CSS property to change the border of an element to XYZ 33.2707, 27.5991, 49.4725 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, 128, 185) }
```


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

```
.border{ border-color:rgb(171, 128, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 128, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 128, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 128, 185);  
box-shadow:4px 4px 4px 4px rgb(171, 128,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2707, 27.5991, 49.4725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 128, 185) }
```

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

```
.background{ background-color: rgb(171,  
128, 185) }
```

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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