

Converting Colors

XYZ(33.5330, 29.3374, 49.5273)

Have a look what the booklet for
XYZ(33.5330, 29.3374, 49.5273)
contains.

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Color

**XYZ(33.4975, 29.3266,
49.7940)**

Conversions

Conversions Part 1

Format	Color
Hex	A788B9
RGB	167, 136, 185
RGB Percent	65%, 53%, 73%
CMY	0.3451, 0.4667, 0.2745
CMYK	0.10, 0.26, 0.00, 0.27
HSL	278°, 26%, 63%
HSV	278°, 26%, 73%
XYZ	33.4975, 29.3266, 49.7940
YIQ	150.8550, 2.7470, 21.8110

Conversions

Conversions Part 2

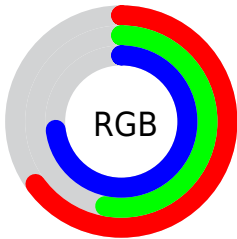
Format	Color
RYB	167, 136, 185
Decimal	10979513
CIELab	61.07, 20.99, -21.21
CIELCh	61, 29.838, 314.694
Yxy	29.3266, 0.2974, 0.2604
Android (android.graphics.Color)	4289169593 (0xFFA788B9)
YUV	150.8550, 16.8335, 14.1592
Hunter-Lab	54.1540, 15.6433, -16.6086

Details

The XYZ color **33.4975, 29.3266, 49.7940** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **35.1202, 43.3462, 29.8095**, and the grayscale version is **29.2838, 30.8088, 33.5508**.

A 20% lighter version of the original color is **64.7221, 58.8658, 91.1701**, and **14.4321, 11.8989, 23.3659** is the 20% darker color. If you saturate the color by 10%, you get **29.7155, 23.8379, 48.9344**, and if you desaturate by 10%, it is **37.8065, 35.7561, 50.8084**.

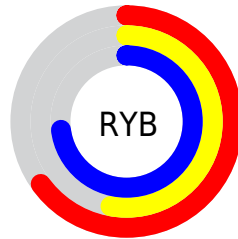
Distribution



Red (65%)

Green (53%)

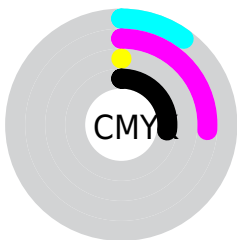
Blue (73%)



Red (65%)

Yellow (53%)

Blue (73%)

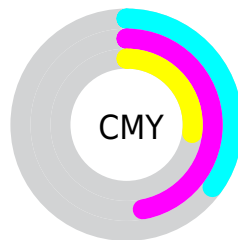


Cyan (10%)

Magenta (26%)

Yellow (0%)

Black (27%)



Cyan (35%)

Magenta (47%)

Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4975, 29.3266, 49.7940 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 33.4975, 29.3266, 49.7940 by changing the saturation by 10% instead.


 33.4975, 29.3266,
49.7940


 33.4975, 29.3266,
49.7940


309.5111,
298.7528, 402.5718


 22.6689, 19.3280,
34.8797


 64.5010, 58.5956,
91.2627

 14.4686, 11.9075,
23.2874


 85.4065, 78.6348,
118.6543

 8.5311, 6.6808,
14.5986


 110.4018,
102.7897, 151.0420

 4.4913, 3.2633,
8.3947

139.8521,
131.4446, 188.8444

 1.9837, 1.2707,
4.2571

174.1229,
164.9840, 232.4800

 0.6248, 0.1183,
1.7674

213.5794,

 0.0000, 0.0000,

203.7922, 282.3674

0.4063

258.5870,
248.2537, 338.9252

■ 0.0000, 0.0000,
0.0000

■ 33.4975, 29.3266,
49.7940

■ 33.4975, 29.3266,
49.7940

■ 29.7155, 23.8379,
48.9344

■ 37.8065, 35.7561,
50.8084

■ 26.4336, 19.2394,
48.2197

■ 42.6622, 43.1661,
51.9827

■ 23.6262, 15.4815,
47.6424

■ 48.0869, 51.5986,
53.3244

■ 21.2644, 12.5081,
47.1929

■ 54.1004, 61.0919,
54.8399

■ 19.3157, 10.2557,
46.8609

■ 60.7217, 71.6823,
56.5351

■ 17.7423, 8.6510,
46.6341

■ 67.9690, 83.4045,
58.4157

■ 16.4945, 7.5964,
46.4963

■ 72.4163, 89.4054,
59.3396

■ 16.0987, 7.2876,
46.4575

■ 74.4484, 90.4530,
59.4347

■ 76.5644, 91.5439,
59.5337

Harmonies

Analogous

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



29.8231, 29.3266, 57.5859



33.4975, 29.3266, 49.7940



35.7644, 29.3266, 37.9531

Triad

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



33.4975, 29.3266, 49.7940



29.9041, 29.3266, 15.3530



21.2217, 29.3266, 37.7049

Complementary

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



33.4975, 29.3266, 49.7940



35.1202, 43.3462, 29.8095

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.



21.2389, 29.3266, 26.5834



33.4975, 29.3266, 49.7940



26.0119, 29.3266, 15.3166

Square

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



33.4975, 29.3266, 49.7940



33.5616, 29.3266, 19.0661



22.9181, 29.3266, 18.9512



22.8684, 29.3266, 49.5761

Rectangle

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



33.4975, 29.3266, 49.7940



36.0500, 29.3266, 30.2034



22.9181, 29.3266, 18.9512



21.0384, 29.3266, 33.7247

Sweetspot

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



33.4984, 29.3278, 49.7946



74.9066, 75.0011, 92.7333



30.5967, 32.1088, 50.4844



15.8586, 15.7243, 19.9209



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.



33.4984, 29.3278, 49.7946



55.7942, 46.3927, 88.2186



36.9779, 31.1899, 46.8701



9.0524, 8.9934, 11.3382



11.0440, 5.0046, 31.6370



0.4549, 0.2102, 1.1184

Inverse Universe

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



34.6454, 30.2569, 34.5871



58.3529, 48.4350, 55.6635



32.3645, 41.8774, 31.8584



9.1373, 9.0653, 10.0707



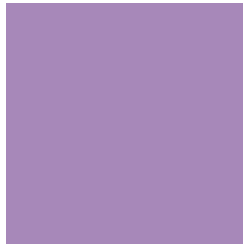
14.3654, 7.3199, 4.5451



0.5367, 0.2702, 0.3198

Previews

White Background



This preview shows how the XYZ color 33.4975, 29.3266, 49.7940 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 33.4975, 29.3266, 49.7940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

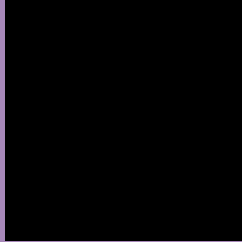
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.4975, 29.3266, 49.7940

Background



This preview shows how black text looks on a background with the XYZ color 33.4975, 29.3266, 49.7940.



This preview shows how white text looks on a background with the XYZ color 33.4975, 29.3266,

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

33.4975, 29.3266, 49.7940

Protanopia

29.7850, 29.5144, 53.9962

Deuteranopia

30.1742, 29.5990, 48.9226



Tritanopia

30.3231, 29.3273, 34.1995

Trichromacy



Original Color

33.4975, 29.3266, 49.7940

Protanomaly

30.8909, 29.2232, 52.1566

Deuteranomaly

31.2736, 29.4821, 49.3897

Tritanomaly

31.4795, 29.3653, 39.6062

Monochromacy



Original Color

33.4975, 29.3266, 49.7940

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.7944, 30.3702, 38.8893

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4975, 29.3266, 49.7940 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(167, 136, 185)` looks like.

```
.text, #text, p{  
    color:rgb(167, 136, 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(167, 136, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 136, 185) }
```

Border

The CSS property to change the border of an element to XYZ 33.4975, 29.3266, 49.7940 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(167, 136, 185) }
```


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

```
.border{ border-color:rgb(167, 136, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 136, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 136, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 136, 185);  
box-shadow:4px 4px 4px 4px rgb(167, 136,  
185) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4975, 29.3266, 49.7940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 136, 185) }
```

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

```
.background{ background-color: rgb(167,  
136, 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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