

Converting Colors

XYZ(34.8600, 29.9535, 71.0592)

Have a look what the booklet for
XYZ(34.8600, 29.9535, 71.0592)
contains.

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Color

**XYZ(34.8236, 29.9668,
70.9666)**

Conversions

Conversions Part 1

Format	Color
Hex	988ADB
RGB	152, 138, 219
RGB Percent	60%, 54%, 86%
CMY	0.4039, 0.4588, 0.1412
CMYK	0.31, 0.37, 0.00, 0.14
HSL	250°, 53%, 70%
HSV	250°, 37%, 86%
XYZ	34.8236, 29.9668, 70.9666
YIQ	151.4200, -17.6570, 28.1590

Conversions

Conversions Part 2

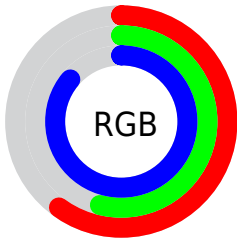
Format	Color
R _Y B	152, 138, 219
Decimal	9997019
CIE Lab	61.63, 23.19, -39.57
CIE LCh	62, 45.861, 300.370
Yxy	29.9668, 0.2565, 0.2207
Android (android.graphics.Color)	4288187099 (0xFF988ADB)
YUV	151.4200, 33.3169, 0.5087
Hunter-Lab	54.7419, 17.7528, -38.5433

Details

The XYZ color **34.8236, 29.9668, 70.9666** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **55.0962, 65.4776, 33.7803**, and the grayscale version is **29.4632, 30.9976, 33.7564**.

A 20% lighter version of the original color is **62.9121, 58.3292, 102.5506**, and **15.2276, 12.2565, 36.6851** is the 20% darker color. If you saturate the color by 10%, you get **28.8573, 22.6882, 69.8767**, and if you desaturate by 10%, it is **41.9433, 38.7816, 72.2933**.

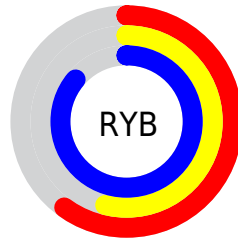
Distribution



Red (60%)

Green (54%)

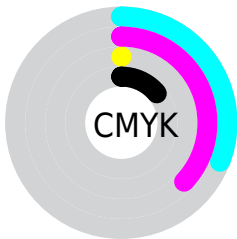
Blue (86%)



Red (60%)

Yellow (54%)

Blue (86%)

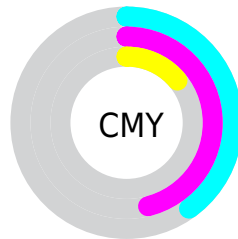


Cyan (31%)

Magenta (37%)

Yellow (0%)

Black (14%)



Cyan (40%)

Magenta (46%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8236, 29.9668, 70.9666 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 34.8236, 29.9668, 70.9666 by changing the saturation by 10% instead.

■ 34.8236, 29.9668,
70.9666

■ 34.8236, 29.9668,
70.9666

315.3107,
301.7497, 482.8172

■ 23.6929, 19.8134,
51.8333

■ 66.5482, 59.6097,
122.2802

■ 15.2295, 12.2595,
36.4909

■ 87.8729, 79.8679,
155.2975

■ 9.0680, 6.9206,
24.5209

■ 113.3262,
104.2632, 193.7799

■ 4.8430, 3.4125,
15.5047

143.2736,
133.1800, 238.1460

■ 2.1892, 1.3507,
9.0238

178.0804,
167.0027, 288.8142

■ 0.7371, 0.1800,
4.6597

218.1119,

■ 0.0000, 0.0000,

206.1156, 346.2031

1.9938

263.7336,
250.9031, 410.7312

■ 0.0000, 0.0000,
0.5515

■ 0.0000, 0.0000,
0.0000

■ 34.8236, 29.9668,
70.9666

■ 34.8236, 29.9668,
70.9666

■ 28.8573, 22.6882,
69.8767

■ 41.9433, 38.7816,
72.2933

■ 23.9795, 16.8535,
69.0076

■ 50.2703, 49.2106,
73.8674

■ 20.1236, 12.3662,
68.3447

■ 59.8587, 61.3307,
75.7015

■ 17.2142, 9.1160,
67.8706

■ 70.7586, 75.2127,
77.8065

■ 15.1646, 6.9749,
67.5654

■ 83.0171, 90.9235,
80.1929

■ 13.8675, 5.7783,
67.4028

■ 89.7863, 97.8945,
81.1817

■ 13.5803, 5.5238,
67.3688

Harmonies

Analogous

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



28.5582, 29.9668, 78.9754



34.8236, 29.9668, 70.9666



39.9239, 29.9668, 52.1798

Triad

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



34.8236, 29.9668, 70.9666



34.6741, 29.9668, 11.2950



18.3028, 29.9668, 32.8457

Complementary

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



34.8236, 29.9668, 70.9666



55.0962, 65.4776, 33.7803

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.



19.4670, 29.9668, 18.6964



34.8236, 29.9668, 70.9666



28.4070, 29.9668, 9.2680

Square

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



34.8236, 29.9668, 70.9666



39.8293, 29.9668, 18.4389



22.9621, 29.9668, 11.4021



19.5257, 29.9668, 52.6943

Rectangle

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



34.8236, 29.9668, 70.9666



41.6599, 29.9668, 38.5677



22.9621, 29.9668, 11.4021



18.4258, 29.9668, 27.3331

Sweetspot

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



34.8247, 29.9680, 70.9673



78.7188, 79.2529, 105.7562



45.2193, 54.4208, 75.1393



16.4519, 16.4612, 22.5602



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.8247, 29.9680, 70.9673



42.7822, 34.5067, 99.0133



43.6137, 34.4989, 71.3786



12.5475, 12.7248, 16.4470



8.1162, 3.3083, 39.9492



0.5905, 0.2477, 2.5911

Inverse Universe

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



49.3219, 37.6457, 62.4243



66.1156, 46.8782, 84.6206



45.4368, 60.4980, 33.3283



13.5127, 13.2342, 15.9612



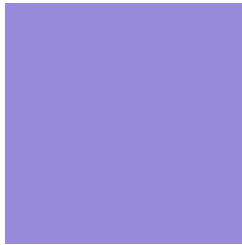
22.3125, 10.9260, 27.0895



1.4715, 0.7182, 1.8919

Previews

White Background



This preview shows how the XYZ color 34.8236, 29.9668, 70.9666 looks on a white background.

Color Contrast Check

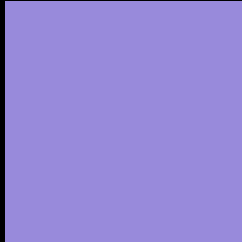
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8236, 29.9668, 70.9666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

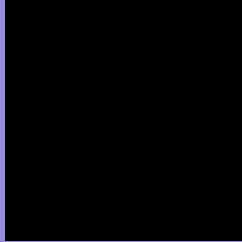
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 34.8236, 29.9668, 70.9666

Background



This preview shows how black text looks on a background with the XYZ color 34.8236, 29.9668, 70.9666.



This preview shows how white text looks on a background with the XYZ color 34.8236, 29.9668,

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

34.8236, 29.9668, 70.9666

Protanopia

31.8915, 30.1137, 76.0832

Deuteranopia

30.9994, 30.2545, 69.8515



Tritanopia

28.2432, 29.9968, 38.4838

Trichromacy



Original Color

34.8236, 29.9668, 70.9666

Protanomaly

32.6575, 29.8782, 73.8579

Deuteranomaly

32.1439, 29.9140, 70.4095

Tritanomaly

30.3277, 29.9060, 48.9737

Monochromacy



Original Color

34.8236, 29.9668, 70.9666

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.8779, 30.2717, 45.2899

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8236, 29.9668, 70.9666 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(152, 138, 219)` looks like.

```
.text, #text, p{  
    color:rgb(152, 138, 219)  
}
```

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(152, 138, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 138, 219) }
```

Border

The CSS property to change the border of an element to XYZ 34.8236, 29.9668, 70.9666 is called "border". The border property can be set on classes, ids or directly on the HTML element.

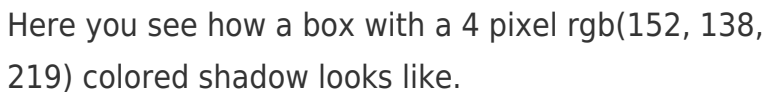
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(152, 138, 219) }
```


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

```
.border{ border-color:rgb(152, 138, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(152, 138, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 138, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 138, 219); box-shadow:4px 4px 4px 4px rgb(152, 138, 219) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8236, 29.9668, 70.9666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 138, 219) }
```

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

```
.background{ background-color: rgb(152,  
138, 219) }
```

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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