

Converting Colors

XYZ(34.9572, 29.9437, 75.1722)

Have a look what the booklet for
XYZ(34.9572, 29.9437, 75.1722)
contains.

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Color

**XYZ(34.8918, 29.9091,
75.1682)**

Conversions

Conversions Part 1

Format	Color
Hex	948AE1
RGB	148, 138, 225
RGB Percent	58%, 54%, 88%
CMY	0.4196, 0.4588, 0.1176
CMYK	0.34, 0.39, 0.00, 0.12
HSL	247°, 59%, 71%
HSV	247°, 39%, 88%
XYZ	34.8918, 29.9091, 75.1682
YIQ	150.9080, -21.9670, 29.1770

Conversions

Conversions Part 2

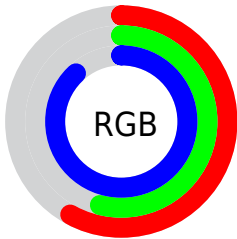
Format	Color
RYB	148, 138, 225
Decimal	9734881
CIELab	61.58, 23.63, -43.01
CIELCh	62, 49.076, 298.789
Yxy	29.9091, 0.2493, 0.2137
Android (android.graphics.Color)	4287924961 (0xFF948AE1)
YUV	150.9080, 36.5274, -2.5503
Hunter-Lab	54.6892, 18.1771, -43.2094

Details

The XYZ color **34.8918, 29.9091, 75.1682** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **59.5375, 70.1330, 34.4449**, and the grayscale version is **29.2325, 30.7549, 33.4921**.

A 20% lighter version of the original color is **61.5826, 57.3190, 102.4257**, and **15.2672, 12.2237, 39.0909** is the 20% darker color. If you saturate the color by 10%, you get **28.6945, 22.4088, 74.0477**, and if you desaturate by 10%, it is **42.3796, 39.0683, 76.5420**.

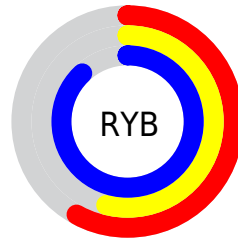
Distribution



Red (58%)

Green (54%)

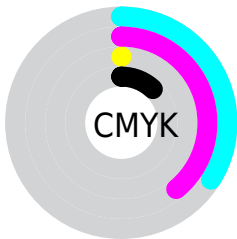
Blue (88%)



Red (58%)

Yellow (54%)

Blue (88%)

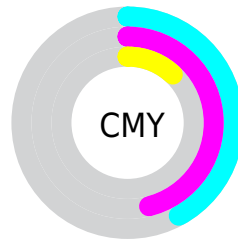


Cyan (34%)

Magenta (39%)

Yellow (0%)

Black (12%)



Cyan (42%)

Magenta (46%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8918, 29.9091, 75.1682 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 34.8918, 29.9091, 75.1682 by changing the saturation by 10% instead.

■ 34.8918, 29.9091,
75.1682

■ 34.8918, 29.9091,
75.1682

315.6069,
301.4805, 497.7663

■ 23.7457, 19.7696,
55.2481

■ 66.6532, 59.5184,
128.2997

■ 15.2688, 12.2277,
39.2005

■ 87.9993, 79.7570,
162.3482

■ 9.0958, 6.8989,
26.6067

■ 113.4759,
104.1307, 201.9433

■ 4.8613, 3.3990,
17.0482

143.4487,
133.0240, 247.5036

■ 2.2000, 1.3434,
10.1066

178.2827,
166.8212, 299.4474

■ 0.7428, 0.1744,
5.3631

218.3436,

■ 0.0000, 0.0000,

205.9068, 358.1935

2.3994

263.9965,
250.6651, 424.1603

■ 0.0000, 0.0000,
0.7861

■ 0.0000, 0.0000,
0.0000

■ 34.8918, 29.9091,
75.1682

■ 34.8918, 29.9091,
75.1682

■ 28.6945, 22.4088,
74.0477

■ 42.3796, 39.0683,
76.5420

■ 23.7110, 16.4646,
73.1630

■ 51.2221, 49.9743,
78.1810

■ 19.8618, 11.9673,
72.4978

■ 61.4831, 62.7128,
80.0990

■ 17.0560, 8.7919,
72.0328

■ 73.2214, 77.3628,
82.3081

■ 15.1887, 6.7922,
71.7452

■ 86.4925, 93.9988,
84.8197

■ 14.1166, 5.7557,
71.6017

■ 90.5907, 98.2163,
85.4177

■ 14.0132, 5.6541,
71.5875

Harmonies

Analogous

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



28.1640, 29.9091, 83.1605



34.8918, 29.9091, 75.1682



40.5330, 29.9091, 54.8975

Triad

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



34.8918, 29.9091, 75.1682



35.4196, 29.9091, 10.5217



17.6600, 29.9091, 31.8142

Complementary

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



34.8918, 29.9091, 75.1682



59.5375, 70.1330, 34.4449

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.



19.0100, 29.9091, 17.2982



34.8918, 29.9091, 75.1682



28.6930, 29.9091, 8.2661

Square

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



34.8918, 29.9091, 75.1682



40.8690, 29.9091, 18.1731



22.8157, 29.9091, 10.1690



18.8084, 29.9091, 53.0599

Rectangle

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



34.8918, 29.9091, 75.1682



42.5583, 29.9091, 40.0444



22.8157, 29.9091, 10.1690



17.8325, 29.9091, 26.0818

Sweetspot

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



34.8929, 29.9102, 75.1689



76.7820, 77.2271, 105.4672



48.7054, 60.1059, 80.2693



16.0459, 16.0471, 22.5016



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.



34.8929, 29.9102, 75.1689



39.8921, 31.9079, 98.6640



43.9652, 34.5871, 75.5935



13.0976, 13.3184, 17.2681



8.1246, 3.2837, 41.2540



0.6126, 0.2531, 2.8618

Inverse Universe

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



52.4062, 39.0917, 69.0735



66.2399, 45.7328, 88.9601



48.7029, 64.5476, 33.9378



14.2236, 13.9071, 16.9477



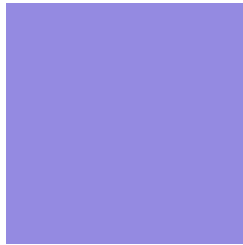
23.8706, 11.6153, 32.3141



1.6741, 0.8129, 2.3427

Previews

White Background



This preview shows how the XYZ color 34.8918, 29.9091, 75.1682 looks on a white background.

Color Contrast Check

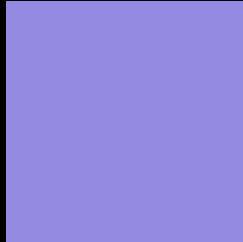
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8918, 29.9091, 75.1682 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 34.8918, 29.9091, 75.1682

Background



This preview shows how black text looks on a background with the XYZ color 34.8918, 29.9091, 75.1682.



This preview shows how white text looks on a background with the XYZ color 34.8918, 29.9091,

75.1682.

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

34.8918, 29.9091, 75.1682

Protanopia

32.1805, 30.1659, 80.4704

Deuteranopia

30.8486, 30.0849, 73.9931



Tritanopia

27.6691, 29.9285, 38.9688

Trichromacy



Original Color

34.8918, 29.9091, 75.1682

Protanomaly

32.8674, 29.8913, 78.1660

Deuteranomaly

32.0320, 29.7640, 74.5778

Tritanomaly

29.9570, 29.6784, 50.6040

Monochromacy



Original Color

34.8918, 29.9091, 75.1682

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

30.8924, 30.2562, 46.3313

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8918, 29.9091, 75.1682 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(148, 138, 225)` looks like.

```
.text, #text, p{  
    color:rgb(148, 138, 225)  
}
```

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(148, 138, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 138, 225) }
```

Border

The CSS property to change the border of an element to XYZ 34.8918, 29.9091, 75.1682 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(148, 138, 225) }
```


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

```
.border{ border-color:rgb(148, 138, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 138, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 138, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 138, 225);  
box-shadow:4px 4px 4px 4px rgb(148, 138,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8918, 29.9091, 75.1682 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 138, 225) }
```

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

```
.background{ background-color: rgb(148,  
138, 225) }
```

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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