

Converting Colors

XYZ(34.9002, 28.9321, 71.0957)

Have a look what the booklet for
XYZ(34.9002, 28.9321, 71.0957)
contains.

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Color

**XYZ(34.8840, 28.9575,
70.7686)**

Conversions

Conversions Part 1

Format	Color
Hex	9C85DB
RGB	156, 133, 219
RGB Percent	61%, 52%, 86%
CMY	0.3882, 0.4784, 0.1412
CMYK	0.29, 0.39, 0.00, 0.14
HSL	256°, 54%, 69%
HSV	256°, 39%, 86%
XYZ	34.8840, 28.9575, 70.7686
YIQ	149.6810, -13.8980, 31.6220

Conversions

Conversions Part 2

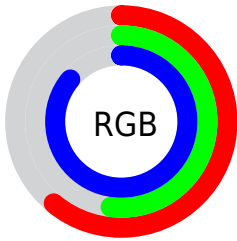
Format	Color
R_{YB}	156, 133, 219
Decimal	10257883
CIE _{Lab}	60.74, 27.19, -40.93
CIE _{LCh}	61, 49.136, 303.601
Yxy	28.9575, 0.2591, 0.2151
Android (android.graphics.Color)	4288447963 (0xFF9C85DB)
YUV	149.6810, 34.1743, 5.5418
Hunter-Lab	53.8122, 21.5422, -40.3040

Details

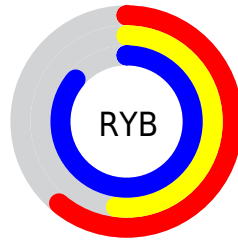
The XYZ color **34.8840, 28.9575, 70.7686** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **52.3308, 64.0929, 31.8045**, and the grayscale version is **28.7195, 30.2151, 32.9043**.

A 20% lighter version of the original color is **62.7603, 56.3349, 102.1736**, and **15.2736, 11.6916, 36.5737** is the 20% darker color. If you saturate the color by 10%, you get **29.2904, 22.0778, 69.7360**, and if you desaturate by 10%, it is **41.5148, 37.3008, 72.0301**.

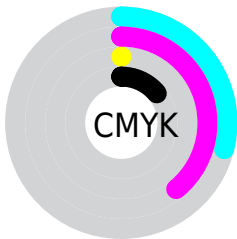
Distribution



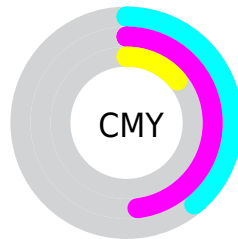
- Red (61%)
- Green (52%)
- Blue (86%)



- Red (61%)
- Yellow (52%)
- Blue (86%)



- Cyan (29%)
- Magenta (39%)
- Yellow (0%)
- Black (14%)



- Cyan (39%)
- Magenta (48%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8840, 28.9575, 70.7686 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 34.8840, 28.9575, 70.7686 by changing the saturation by 10% instead.

■ 34.8840, 28.9575,
70.7686

■ 34.8840, 28.9575,
70.7686

315.5730,
297.0144, 482.1060

■ 23.7396, 19.0487,
51.6727

■ 66.6412, 58.0096,
121.9956

■ 15.2643, 11.7055,
36.3638

■ 87.9848, 77.9216,
154.9637

■ 9.0926, 6.5434,
24.4234

■ 113.4588,
101.9368, 193.3930

■ 4.8592, 3.1783,
15.4329

143.4286,
130.4396, 237.7020

■ 2.1988, 1.2255,
8.9738

178.2596,
163.8143, 288.3093

■ 0.7421, 0.0824,
4.6275

218.3171,

■ 0.0000, 0.0000,

202.4454, 345.6333

1.9755

263.9664,
246.7173, 410.0927

■ 0.0000, 0.0000,
0.5402

■ 0.0000, 0.0000,
0.0000

■ 34.8840, 28.9575,
70.7686

■ 34.8840, 28.9575,
70.7686

■ 29.2904, 22.0778,
69.7360

■ 41.5148, 37.3008,
72.0301

■ 24.6757, 16.5720,
68.9165

■ 49.2305, 47.1838,
73.5310

■ 20.9805, 12.3452,
68.2954

■ 58.0795, 58.6810,
75.2838

■ 18.1368, 9.2888,
67.8553

■ 68.1063, 71.8612,
77.2994

■ 16.0664, 7.2753,
67.5758

■ 79.3529, 86.7891,
79.5880

■ 14.6518, 6.1020,
67.4239

■ 88.7857, 97.3787,
81.1348

■ 14.5645, 6.0312,
67.4149

■ 89.7863, 97.8945,
81.1816

Harmonies

Analogous

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



28.3008, 28.9575, 81.1840



34.8840, 28.9575, 70.7686



40.0357, 28.9575, 49.8679

Triad

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



34.8840, 28.9575, 70.7686



33.3445, 28.9575, 9.3719



17.0075, 28.9575, 33.7879

Complementary

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



34.8840, 28.9575, 70.7686



52.3308, 64.0929, 31.8045

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.



17.9341, 28.9575, 18.3489



34.8840, 28.9575, 70.7686



26.7600, 28.9575, 7.8608

Square

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



34.8840, 28.9575, 70.7686



39.0548, 28.9575, 15.8121



21.2784, 28.9575, 10.3893



18.5194, 28.9575, 55.2373

Rectangle

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



34.8840, 28.9575, 70.7686



41.5995, 28.9575, 35.6088



21.2784, 28.9575, 10.3893



17.0454, 28.9575, 27.7748

Sweetspot

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



34.8851, 28.9586, 70.7693



78.2818, 78.0002, 105.5374



42.2149, 49.6119, 74.3694



16.3964, 16.2278, 22.5180



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.



34.8851, 28.9586, 70.7693



42.7142, 32.8275, 98.6928



44.7101, 34.0236, 71.2291



12.6637, 12.7848, 16.4524



8.7253, 3.6222, 39.9777



0.6467, 0.2766, 2.5938

Inverse Universe

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



47.5655, 35.8217, 56.6326



63.2370, 43.9547, 74.9257



42.7155, 59.1360, 31.3545



13.4580, 13.2123, 15.6730



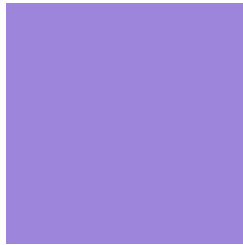
21.1546, 10.4629, 20.9919



1.4056, 0.6919, 1.5446

Previews

White Background



This preview shows how the XYZ color 34.8840, 28.9575, 70.7686 looks on a white background.

Color Contrast Check

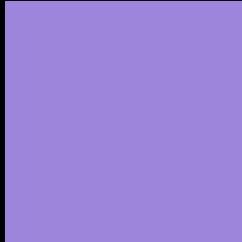
Large Text (above 18pt) WCAG AA ✓ Pass

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 34.8840, 28.9575, 70.7686 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 34.8840, 28.9575, 70.7686

Background



This preview shows how black text looks on a background with the XYZ color 34.8840, 28.9575, 70.7686.



This preview shows how white text looks on a background with the XYZ color 34.8840, 28.9575,

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

34.8840, 28.9575, 70.7686

Protanopia

31.1793, 29.2610, 77.4034

Deuteranopia

29.8760, 29.2286, 69.0328



Tritanopia

27.9520, 28.9557, 36.4635

Trichromacy



Original Color

34.8840, 28.9575, 70.7686

Protanomaly

32.3288, 29.0177, 75.1312

Deuteranomaly

31.4093, 28.8848, 69.5655

Tritanomaly

29.9758, 28.6409, 47.1284

Monochromacy



Original Color

34.8840, 28.9575, 70.7686

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.6600, 29.7171, 44.6774

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8840, 28.9575, 70.7686 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(156, 133, 219)` looks like.

```
.text, #text, p{  
    color:rgb(156, 133, 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(156, 133, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 133, 219) }
```

Border

The CSS property to change the border of an element to XYZ 34.8840, 28.9575, 70.7686 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(156, 133, 219) }
```


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

```
.border{ border-color:rgb(156, 133, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 133, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 133, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 133, 219);  
box-shadow:4px 4px 4px 4px rgb(156, 133,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8840, 28.9575, 70.7686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 133, 219) }
```

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

```
.background{ background-color: rgb(156,  
133, 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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