

Converting Colors

XYZ(26.8942, 17.1938, 38.8331)

Have a look what the booklet for
XYZ(26.8942, 17.1938, 38.8331)
contains.

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Color

**XYZ(26.8771, 17.1898,
38.9472)**

Conversions

Conversions Part 1

Format	Color
Hex	AC4FA8
RGB	172, 79, 168
RGB Percent	67%, 31%, 66%
CMY	0.3255, 0.6902, 0.3412
CMYK	0.00, 0.54, 0.02, 0.33
HSL	303°, 37%, 49%
HSV	303°, 54%, 67%
XYZ	26.8771, 17.1898, 38.9472
YIQ	116.9530, 26.8590, 47.3950

Conversions

Conversions Part 2

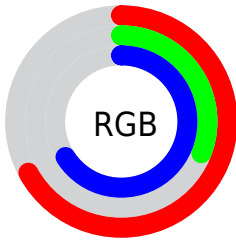
Format	Color
R_{YB}	172, 79, 168
Decimal	11292584
CIE _{Lab}	48.50, 50.17, -30.77
CIE _{LCh}	48, 58.857, 328.483
Yxy	17.1898, 0.3238, 0.2071
Android (android.graphics.Color)	4289482664 (0xFFAC4FA8)
YUV	116.9530, 25.1662, 48.2762
Hunter-Lab	41.4606, 43.1578, -26.6734

Details

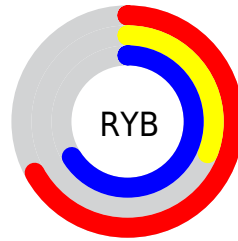
The XYZ color **26.8771, 17.1898, 38.9472** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.5391, 31.7924, 13.2914**, and the grayscale version is **16.8134, 17.6890, 19.2633**.

A 20% lighter version of the original color is **54.0189, 38.5424, 75.1133**, and **10.7949, 5.6557, 17.0457** is the 20% darker color. If you saturate the color by 10%, you get **25.7246, 14.9945, 38.2241**, and if you desaturate by 10%, it is **28.3521, 20.0288, 39.7801**.

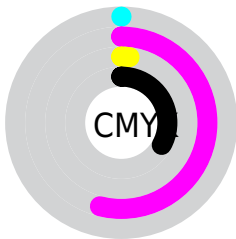
Distribution



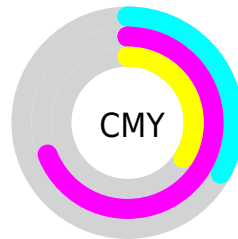
- Red (67%)
- Green (31%)
- Blue (66%)



- Red (67%)
- Yellow (31%)
- Blue (66%)



- Cyan (0%)
- Magenta (54%)
- Yellow (2%)
- Black (33%)



- Cyan (33%)
- Magenta (69%)
- Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.8771, 17.1898, 38.9472 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 26.8771, 17.1898, 38.9472 by changing the saturation by 10% instead.

■ 26.8771, 17.1898,
38.9472

■ 26.8771, 17.1898,
38.9472

279.2400,
236.2638, 357.0852

■ 17.6171, 10.3699,
26.4111

■ 54.1079, 38.6518,
74.7771

■ 10.7734, 5.6449,
16.9030

■ 72.8093, 54.0627,
98.9080

■ 5.9809, 2.6304,
10.0041

■ 95.3886, 73.1061,
127.7410

■ 2.8740, 0.9420,
5.2960

■ 122.2110, 96.1664,
161.6945

■ 1.0875, 0.0000,
2.3602

■ 153.6421,
123.6278, 201.1872

■ 0.0146, 0.0000,
0.7647

190.0470,

■ 0.0000, 0.0000,

155.8750, 246.6375

0.0000

231.7912,
193.2922, 298.4640

■ 26.8771, 17.1898,
38.9472

■ 26.8771, 17.1898,
38.9472

■ 25.7246, 14.9945,
38.2241

■ 28.3521, 20.0288,
39.7801

■ 24.8676, 13.3898,
37.6012

■ 30.1705, 23.5542,
40.7292

■ 24.2776, 12.3184,
37.0692

■ 32.3533, 27.8081,
41.8018

■ 23.9195, 11.7104,
36.6165

■ 34.9197, 32.8282,
43.0041

■ 23.7688, 11.4729,
36.3695

■ 37.8871, 38.6499,
44.3421

■ 41.2722, 45.3063,
45.8212

■ 45.0905, 52.8285,
47.4468

■ 49.3568, 61.2462,
49.2236

■ 54.0854, 70.5875,
51.1564

Harmonies

Analogous

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



21.8035, 17.1898, 58.8747



26.8771, 17.1898, 38.9472



29.0619, 17.1898, 19.5148

Triad

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



26.8771, 17.1898, 38.9472



16.6147, 17.1898, 1.9546



8.8095, 17.1898, 36.7677

Complementary

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



26.8771, 17.1898, 38.9472



19.5391, 31.7924, 13.2914

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.



8.0056, 17.1898, 17.9408



26.8771, 17.1898, 38.9472



11.8725, 17.1898, 2.8628

Square

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



26.8771, 17.1898, 38.9472



22.3855, 17.1898, 3.0938



8.9927, 17.1898, 7.0831



11.4920, 17.1898, 57.2015

Rectangle

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



26.8771, 17.1898, 38.9472



28.2884, 17.1898, 10.7878



8.9927, 17.1898, 7.0831



8.3406, 17.1898, 29.8074

Sweetspot

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



26.8777, 17.1906, 38.9476



62.2538, 57.4099, 77.5101



13.7316, 10.3698, 40.3080



13.3234, 12.0738, 16.7490



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



26.8777, 17.1906, 38.9476



46.2989, 26.5057, 69.0919



23.3476, 15.7786, 20.3585



8.3220, 8.1420, 10.0063



17.6930, 8.5398, 27.0927



0.4967, 0.2394, 0.7772

Inverse Universe

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



26.8777, 17.1906, 38.9476



46.2989, 26.5057, 69.0919



21.9136, 32.7423, 25.7956



8.3220, 8.1420, 10.0063



17.6930, 8.5398, 27.0927



0.4967, 0.2394, 0.7772

Previews

White Background



This preview shows how the XYZ color 26.8771, 17.1898, 38.9472 looks on a white background.

Color Contrast Check

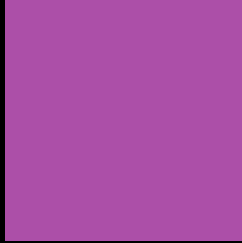
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 26.8771, 17.1898, 38.9472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

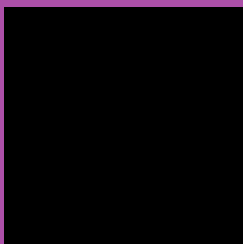
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.8771, 17.1898, 38.9472

Background



This preview shows how black text looks on a background with the XYZ color 26.8771, 17.1898, 38.9472.



This preview shows how white text looks on a background with the XYZ color 26.8771, 17.1898,

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

26.8771, 17.1898, 38.9472

Protanopia

19.2076, 17.5037, 55.1895

Deuteranopia

17.7944, 17.3526, 36.5939



Tritanopia

21.9409, 17.2375, 15.0027

Trichromacy



Original Color

26.8771, 17.1898, 38.9472

Protanomaly

20.3267, 16.3632, 48.5415

Deuteranomaly

19.9587, 16.4233, 37.2400

Tritanomaly

23.4233, 17.0601, 22.1371

Monochromacy



Original Color

26.8771, 17.1898, 38.9472

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

19.6107, 16.7964, 25.5010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.8771, 17.1898, 38.9472 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(172, 79, 168)` looks like.

```
.text, #text, p{  
    color:rgb(172, 79, 168)  
}
```

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(172, 79, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 79, 168) }
```

Border

The CSS property to change the border of an element to XYZ 26.8771, 17.1898, 38.9472 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(172, 79, 168) }
```


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

```
.border{ border-color:rgb(172, 79, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 79, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 79, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 79, 168);  
box-shadow:4px 4px 4px 4px rgb(172, 79,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 26.8771, 17.1898, 38.9472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 79, 168) }
```

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

```
.background{ background-color: rgb(172, 79,  
168) }
```

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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