

Converting Colors

XYZ(26.9218, 17.7681, 38.3763)

Have a look what the booklet for
XYZ(26.9218, 17.7681, 38.3763)
contains.

XYZ(26.9400, 17.7886, 38.5729)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(26.9400, 17.7886,
38.5729)**

Conversions

Conversions Part 1

Format	Color
Hex	AB54A7
RGB	171, 84, 167
RGB Percent	67%, 33%, 65%
CMY	0.3294, 0.6706, 0.3451
CMYK	0.00, 0.51, 0.02, 0.33
HSL	303°, 34%, 50%
HSV	303°, 51%, 67%
XYZ	26.9400, 17.7886, 38.5729
YIQ	119.4750, 25.2090, 44.2570

Conversions

Conversions Part 2

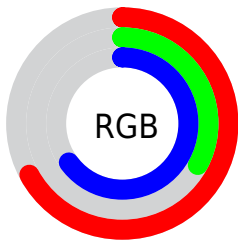
Format	Color
R _Y B	171, 84, 167
Decimal	11228327
CIE Lab	49.24, 47.24, -29.04
CIE LCh	49, 55.449, 328.423
Yxy	17.7886, 0.3234, 0.2135
Android (android.graphics.Color)	4289418407 (0xFFAB54A7)
YUV	119.4750, 23.4298, 45.1874
Hunter-Lab	42.1765, 40.2068, -24.7006

Details

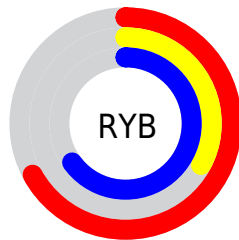
The XYZ color **26.9400, 17.7886, 38.5729** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.9813, 31.7160, 14.3022**, and the grayscale version is **17.6081, 18.5251, 20.1738**.

A 20% lighter version of the original color is **54.1254, 39.6592, 73.9095**, and **10.7870, 5.9308, 16.7959** is the 20% darker color. If you saturate the color by 10%, you get **25.6989, 15.4220, 37.8018**, and if you desaturate by 10%, it is **28.5067, 20.8049, 39.4551**.

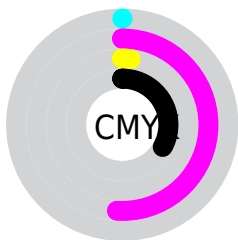
Distribution



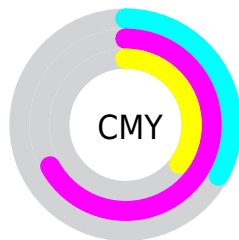
- Red (67%)
- Green (33%)
- Blue (65%)



- Red (67%)
- Yellow (33%)
- Blue (65%)



- Cyan (0%)
- Magenta (51%)
- Yellow (2%)
- Black (33%)





- Cyan (33%)
- Magenta (67%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.9400, 17.7886, 38.5729 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 26.9400, 17.7886, 38.5729 by changing the saturation by 10% instead.

 26.9400, 17.7886,
38.5729


 26.9400, 17.7886,
38.5729


279.5393,
239.6768, 355.4428


 17.6645, 10.7983,
26.1224


 54.2081, 39.6768,
74.1985


 10.8076, 5.9314,
16.6886


 72.9315, 55.3435,
98.2107

 6.0040, 2.8034,
9.8531


 95.5349, 74.6711,
126.9138

 2.8882, 1.0300,
5.1974

 122.3836, 98.0440,
160.7265

 1.0949, 0.0000,
2.3028

 153.8431,
125.8466, 200.0672

 0.0208, 0.0000,
0.7328

190.2786,

 0.0000, 0.0000,

158.4634, 245.3544

0.0000

232.0556,
196.2786, 297.0068

■ 26.9400, 17.7886,
38.5729

■ 26.9400, 17.7886,
38.5729

■ 25.6989, 15.4220,
37.8018

■ 28.5067, 20.8049,
39.4551

■ 24.7576, 13.6548,
37.1326

■ 30.4188, 24.5117,
40.4544

■ 24.0895, 12.4330,
36.5566

■ 32.6966, 28.9492,
41.5779

■ 23.6621, 11.6921,
36.0631

■ 35.3584, 34.1539,
42.8315

■ 23.4181, 11.3073,
35.6632

■ 38.4212, 40.1599,
44.2209

■ 41.9009, 46.9991,
45.7516

■ 45.8127, 54.7017,
47.4285

■ 50.1710, 63.2966,
49.2564

■ 54.9894, 72.8110,
51.2399

Harmonies

Analogous

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



22.1290, 17.7886, 57.0597



26.9400, 17.7886, 38.5729



29.0057, 17.7886, 20.1676

Triad

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



26.9400, 17.7886, 38.5729



17.1842, 17.7886, 2.5276



9.5487, 17.7886, 36.4523

Complementary

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



26.9400, 17.7886, 38.5729



19.9813, 31.7160, 14.3022

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.



8.7508, 17.7886, 18.5913



26.9400, 17.7886, 38.5729



12.5797, 17.7886, 3.5206

Square

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



26.9400, 17.7886, 38.5729



22.7042, 17.7886, 3.7796



9.7379, 17.7886, 7.9082



12.1924, 17.7886, 55.4554

Rectangle

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



26.9400, 17.7886, 38.5729



28.2826, 17.7886, 11.6532



9.7379, 17.7886, 7.9082



9.0829, 17.7886, 29.9050

Sweetspot

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



26.9406, 17.7894, 38.5733



61.1447, 56.9017, 75.6928



14.4430, 11.3032, 39.9492



13.4193, 12.2665, 16.7778



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.



26.9406, 17.7894, 38.5733



45.7943, 27.1837, 67.5464



23.6418, 16.4699, 21.2022



8.3209, 8.1416, 10.0008



17.6589, 8.5261, 26.9131



0.4960, 0.2391, 0.7737

Inverse Universe

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



26.9406, 17.7894, 38.5733



45.7943, 27.1837, 67.5464



22.2760, 32.6338, 26.3860



8.3209, 8.1416, 10.0008



17.6589, 8.5261, 26.9131



0.4960, 0.2391, 0.7737

Previews

White Background



This preview shows how the XYZ color 26.9400, 17.7886, 38.5729 looks on a white background.

Color Contrast Check

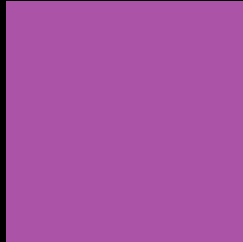
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.9400, 17.7886, 38.5729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

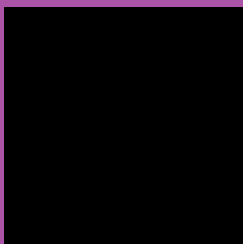
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 26.9400, 17.7886, 38.5729

Background



This preview shows how black text looks on a background with the XYZ color 26.9400, 17.7886, 38.5729.



This preview shows how white text looks on a background with the XYZ color 26.9400, 17.7886,

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

26.9400, 17.7886, 38.5729

Protanopia

19.5941, 18.0902, 52.9111

Deuteranopia

18.3873, 18.0070, 36.2248



Tritanopia

22.3732, 17.8568, 15.9032

Trichromacy



Original Color

26.9400, 17.7886, 38.5729

Protanomaly

20.9382, 17.1432, 47.5528

Deuteranomaly

20.4633, 17.1342, 36.8790

Tritanomaly

23.8353, 17.7794, 22.5976

Monochromacy



Original Color

26.9400, 17.7886, 38.5729

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

20.0792, 17.4889, 25.6100

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.9400, 17.7886, 38.5729 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(171, 84, 167)` looks like.

```
.text, #text, p{  
    color:rgb(171, 84, 167)  
}
```

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(171, 84, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 84, 167) }
```

Border

The CSS property to change the border of an element to XYZ 26.9400, 17.7886, 38.5729 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(171, 84, 167) }
```


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

```
.border{ border-color:rgb(171, 84, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 84, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 84, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 84, 167);  
box-shadow:4px 4px 4px 4px rgb(171, 84,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 26.9400, 17.7886, 38.5729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 84, 167) }
```

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

```
.background{ background-color: rgb(171, 84,  
167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor