

Converting Colors

XYZ(26.4771, 17.1427, 40.1965)

Have a look what the booklet for
XYZ(26.4771, 17.1427, 40.1965)
contains.

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Color

**XYZ(26.4416, 17.1500,
40.4447)**

Conversions

Conversions Part 1

Format	Color
Hex	A851AB
RGB	168, 81, 171
RGB Percent	66%, 32%, 67%
CMY	0.3412, 0.6823, 0.3294
CMYK	0.02, 0.53, 0.00, 0.33
HSL	298°, 36%, 49%
HSV	298°, 53%, 67%
XYZ	26.4416, 17.1500, 40.4447
YIQ	117.2730, 22.9620, 46.4340

Conversions

Conversions Part 2

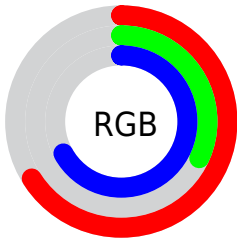
Format	Color
R_{YB}	168, 81, 171
Decimal	11030955
CIE _{Lab}	48.45, 48.61, -32.65
CIE _{LCh}	48, 58.555, 326.110
Yxy	17.1500, 0.3146, 0.2041
Android (android.graphics.Color)	4289221035 (0xFFA851AB)
YUV	117.2730, 26.4874, 44.4876
Hunter-Lab	41.4126, 41.4989, -28.9155

Details

The XYZ color **26.4416, 17.1500, 40.4447** is a dark color, and the websafe version is hex **993399**. A complement of this color would be **19.7048, 31.6051, 12.8473**, and the grayscale version is **16.9092, 17.7898, 19.3731**.

A 20% lighter version of the original color is **53.4416, 38.6038, 77.3076**, and **10.4720, 5.6026, 17.6690** is the 20% darker color. If you saturate the color by 10%, you get **25.2064, 14.8589, 40.0678**, and if you desaturate by 10%, it is **27.9985, 20.0829, 40.9290**.

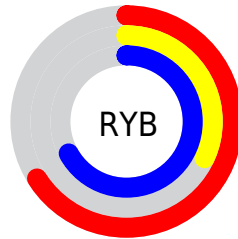
Distribution



Red (66%)

Green (32%)

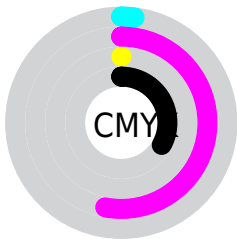
Blue (67%)



Red (66%)

Yellow (32%)

Blue (67%)

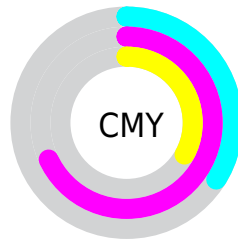


Cyan (2%)

Magenta (53%)

Yellow (0%)

Black (33%)



Cyan (34%)


Magenta (68%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.4416, 17.1500, 40.4447 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 26.4416, 17.1500, 40.4447 by changing the saturation by 10% instead.

 26.4416, 17.1500,
40.4447


 26.4416, 17.1500,
40.4447


277.1603,
236.0353, 363.6020


 17.2887, 10.3415,
27.5690


 53.4127, 38.5835,
77.0847


 10.5371, 5.6260,
17.7648


 71.9617, 53.9773,
101.6861


 5.8215, 2.6190,
10.6136


 94.3734, 73.0016,
131.0331

 2.7765, 0.9362,
5.6968

 121.0132, 96.0409,
165.5444

 1.0367, 0.0000,
2.5958

 152.2464,
123.4795, 205.6383

 0.0000, 0.0000,
0.8903

188.4384,

 0.0000, 0.0000,

155.7018, 251.7336

0.0000

229.9546,
193.0923, 304.2486

■ 26.4416, 17.1500,
40.4447

■ 26.4416, 17.1500,
40.4447

■ 25.2064, 14.8589,
40.0678

■ 27.9985, 20.0829,
40.9290

■ 24.2666, 13.1581,
39.7891

■ 29.8973, 23.6990,
41.5269

■ 23.5947, 11.9925,
39.5995

■ 32.1585, 28.0394,
42.2455

■ 23.1573, 11.2951,
39.4879

■ 34.8006, 33.1408,
43.0909

■ 22.9307, 10.9720,
39.4375

■ 37.8409, 39.0377,
44.0689

■ 41.2955, 45.7624,
45.1848

■ 45.1797, 53.3455,
46.4438

■ 49.5080, 61.8160,
47.8506

■ 54.2941, 71.2014,
49.4099

Harmonies

Analogous

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



21.2708, 17.1500, 59.7033



26.4416, 17.1500, 40.4447



28.8989, 17.1500, 20.7487

Triad

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



26.4416, 17.1500, 40.4447



17.0099, 17.1500, 1.9918



8.6861, 17.1500, 34.9111

Complementary

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



26.4416, 17.1500, 40.4447



19.7048, 31.6051, 12.8473

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.



8.0277, 17.1500, 16.7414



26.4416, 17.1500, 40.4447



12.1720, 17.1500, 2.7302

Square

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



26.4416, 17.1500, 40.4447



22.7502, 17.1500, 3.3246



9.1539, 17.1500, 6.5757



11.2020, 17.1500, 55.4613

Rectangle

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



26.4416, 17.1500, 40.4447



28.3443, 17.1500, 11.6214



9.1539, 17.1500, 6.5757



8.2676, 17.1500, 28.1209

Sweetspot

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



26.4422, 17.1508, 40.4451



60.5158, 55.8530, 76.5931



13.9151, 11.0311, 39.9241



13.2841, 12.0477, 17.0130



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.



26.4422, 17.1508, 40.4451



44.8609, 26.0944, 71.6742



23.7000, 16.1285, 22.6336



8.3103, 8.1343, 10.0848



17.2954, 8.2760, 29.7304



0.4891, 0.2343, 0.8274

Inverse Universe

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



21.3378, 15.1836, 10.1943



34.8117, 22.2372, 11.4191



21.5320, 32.3056, 23.8405



8.0157, 8.0195, 8.3933



12.6881, 6.5378, 0.7372



0.3564, 0.1832, 0.0385

Previews

White Background



This preview shows how the XYZ color 26.4416, 17.1500, 40.4447 looks on a white background.

Color Contrast Check

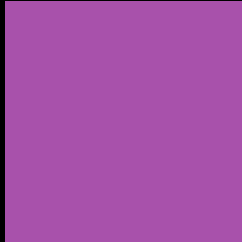
Large Text (above 18pt) WCAG AA ✓ Pass

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 26.4416, 17.1500, 40.4447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

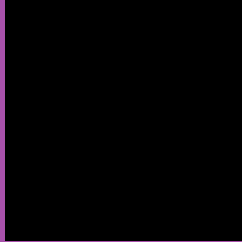
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 26.4416, 17.1500, 40.4447

Background



This preview shows how black text looks on a background with the XYZ color 26.4416, 17.1500, 40.4447.



This preview shows how white text looks on a background with the XYZ color 26.4416, 17.1500,

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

26.4416, 17.1500, 40.4447

Protanopia

19.3558, 17.5535, 56.4008

Deuteranopia

17.7386, 17.2926, 38.0002



Tritanopia

21.4147, 17.2289, 15.5614

Trichromacy



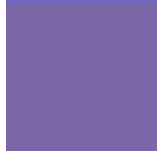
Original Color

26.4416, 17.1500, 40.4447



Protanomaly

20.3945, 16.3610, 50.2272



Deuteranomaly

19.8948, 16.5037, 38.6962



Tritanomaly

22.8939, 17.0258, 22.8485

Monochromacy



Original Color

26.4416, 17.1500, 40.4447



Achromatopsia

16.9083, 17.7888, 19.3720



Achromatomaly

19.6190, 16.9410, 25.9028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.4416, 17.1500, 40.4447 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(168, 81, 171)` looks like.

```
.text, #text, p{  
    color:rgb(168, 81, 171)  
}
```

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(168, 81, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 81, 171) }
```

Border

The CSS property to change the border of an element to XYZ 26.4416, 17.1500, 40.4447 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(168, 81, 171) }
```


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

```
.border{ border-color:rgb(168, 81, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 81, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 81, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 81, 171);  
box-shadow:4px 4px 4px 4px rgb(168, 81,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 26.4416, 17.1500, 40.4447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 81, 171) }
```

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

```
.background{ background-color: rgb(168, 81,  
171) }
```

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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