

Converting Colors

XYZ(31.4615, 24.1261, 42.8797)

Have a look what the booklet for
XYZ(31.4615, 24.1261, 42.8797)
contains.

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Color

**XYZ(31.4496, 24.0964,
43.0379)**

Conversions

Conversions Part 1

Format	Color
Hex	B071AE
RGB	176, 113, 174
RGB Percent	69%, 44%, 68%
CMY	0.3098, 0.5568, 0.3176
CMYK	0.00, 0.36, 0.01, 0.31
HSL	302°, 29%, 57%
HSV	302°, 36%, 69%
XYZ	31.4496, 24.0964, 43.0379
YIQ	138.7910, 17.9670, 32.3270

Conversions

Conversions Part 2

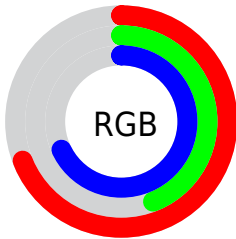
Format	Color
R _Y B	176, 113, 174
Decimal	11563438
CIE Lab	56.18, 34.69, -22.32
CIE LCh	56, 41.252, 327.240
Yxy	24.0964, 0.3190, 0.2444
Android (android.graphics.Color)	4289753518 (0xFFB071AE)
YUV	138.7910, 17.3580, 32.6323
Hunter-Lab	49.0881, 28.4567, -17.6208

Details

The XYZ color **31.4496, 24.0964, 43.0379** is a light color, and the websafe version is hex **996699**. A complement of this color would be **25.4309, 35.8000, 21.7908**, and the grayscale version is **24.3916, 25.6618, 27.9457**.

A 20% lighter version of the original color is **61.5234, 50.3092, 81.3309**, and **13.2547, 9.0731, 19.1418** is the 20% darker color. If you saturate the color by 10%, you get **29.6191, 20.5219, 42.1597**, and if you desaturate by 10%, it is **33.6626, 28.4346, 44.0452**.

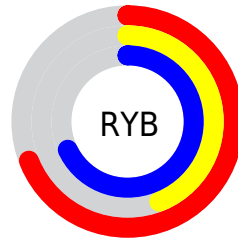
Distribution



Red (69%)

Green (44%)

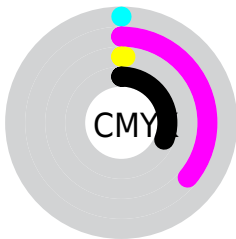
Blue (68%)



Red (69%)

Yellow (44%)

Blue (68%)

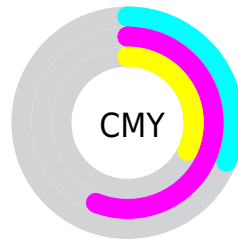


Cyan (0%)

Magenta (36%)

Yellow (1%)

Black (31%)



Cyan (31%)

Magenta (56%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4496, 24.0964, 43.0379 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 31.4496, 24.0964, 43.0379 by changing the saturation by 10% instead.

■ 31.4496, 24.0964,
43.0379

■ 31.4496, 24.0964,
43.0379

300.3943,
273.3075, 374.6934

■ 21.0949, 15.4051,
29.5832

■ 61.3183, 50.1875,
81.0550

■ 13.3063, 9.1042,
19.2731

■ 81.5630, 68.3561,
106.4546

■ 7.7182, 4.8092,
11.6890

■ 105.8351, 90.4526,
136.6728

■ 3.9655, 2.1358,
6.4123

■ 134.5000,
116.8614, 172.1283

■ 1.6826, 0.6846,
3.0246

167.9230,
147.9669, 213.2395

■ 0.4454, 0.0000,
1.1072

206.4695,

■ 0.0000, 0.0000,

184.1535, 260.4251

0.0000

250.5048,
225.8055, 314.1036

■ 31.4496, 24.0964,
43.0379

■ 31.4496, 24.0964,
43.0379

■ 29.6191, 20.5219,
42.1597

■ 33.6626, 28.4346,
44.0452

■ 28.1467, 17.6638,
41.4018

■ 36.2762, 33.5741,
45.1869

■ 27.0089, 15.4744,
40.7565

■ 39.3100, 39.5535,
46.4698

■ 26.1781, 13.8989,
40.2147

■ 42.7817, 46.4084,
47.8997

■ 25.6228, 12.8738,
39.7658

■ 46.7079, 54.1719,
49.4823

■ 25.3022, 12.3178,
39.3962

■ 51.1044, 62.8758,
51.2228

■ 25.1995, 12.1481,
39.2518

■ 55.9863, 72.5501,
53.1262

■ 61.3680, 83.2235,
55.1974

■ 61.8045, 84.0061,
55.6212

Harmonies

Analogous

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



27.3308, 24.0964, 56.9404



31.4496, 24.0964, 43.0379



33.2603, 24.0964, 27.5132

Triad

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



31.4496, 24.0964, 43.0379



23.3443, 24.0964, 7.8531



15.7207, 24.0964, 40.0821

Complementary

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



31.4496, 24.0964, 43.0379



25.4309, 35.8000, 21.7908

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.



14.9556, 24.0964, 25.0007



31.4496, 24.0964, 43.0379



18.9811, 24.0964, 9.2052

Square

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



31.4496, 24.0964, 43.0379



28.1944, 24.0964, 9.8443



16.0645, 24.0964, 14.5001



18.3187, 24.0964, 54.8606

Rectangle

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



31.4496, 24.0964, 43.0379



32.7515, 24.0964, 19.2392



16.0645, 24.0964, 14.5001



15.2577, 24.0964, 34.7538

Sweetspot

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



31.4504, 24.0975, 43.0384



68.2272, 65.6877, 82.9912



20.6887, 18.5269, 43.5604



14.6315, 13.9314, 17.9200



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.4504, 24.0975, 43.0384



54.3422, 38.4345, 76.7699



28.8026, 23.0384, 29.0956



8.8381, 8.6420, 10.6461



18.4934, 8.9149, 28.8219



0.5855, 0.2819, 0.9258

Inverse Universe

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



31.4504, 24.0975, 43.0384



54.3422, 38.4345, 76.7699



27.4897, 36.6235, 32.6322



8.8381, 8.6420, 10.6461



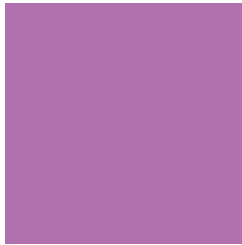
18.4934, 8.9149, 28.8219



0.5855, 0.2819, 0.9258

Previews

White Background



This preview shows how the XYZ color 31.4496, 24.0964, 43.0379 looks on a white background.

Color Contrast Check

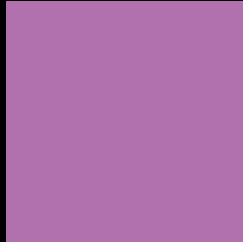
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.4496, 24.0964, 43.0379 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

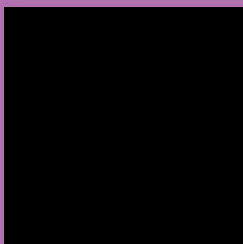
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.4496, 24.0964, 43.0379

Background



This preview shows how black text looks on a background with the XYZ color 31.4496, 24.0964, 43.0379.



This preview shows how white text looks on a background with the XYZ color 31.4496, 24.0964,

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

31.4496, 24.0964, 43.0379

Protanopia

25.0441, 24.3007, 51.5147

Deuteranopia

24.7129, 24.1506, 41.3892



Tritanopia

27.6338, 24.1038, 24.6688

Trichromacy



Original Color

31.4496, 24.0964, 43.0379

Protanomaly

26.7600, 23.8714, 48.5446

Deuteranomaly

26.7169, 23.8105, 41.7158

Tritanomaly

28.8765, 24.0709, 30.7279

Monochromacy



Original Color

31.4496, 24.0964, 43.0379

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

26.5990, 24.9077, 33.1115

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4496, 24.0964, 43.0379 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(176, 113, 174)` looks like.

```
.text, #text, p{  
    color:rgb(176, 113, 174)  
}
```

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(176, 113, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 113, 174) }
```

Border

The CSS property to change the border of an element to XYZ 31.4496, 24.0964, 43.0379 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(176, 113, 174) }
```


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

```
.border{ border-color:rgb(176, 113, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 113, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 113, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 113, 174);  
box-shadow:4px 4px 4px 4px rgb(176, 113,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4496, 24.0964, 43.0379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 113, 174) }
```

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

```
.background{ background-color: rgb(176,  
113, 174) }
```

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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