

Converting Colors

XYZ(32.3346, 24.4718, 39.8228)

Have a look what the booklet for
XYZ(32.3346, 24.4718, 39.8228)
contains.

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Color

**XYZ(32.3905, 24.4828,
40.0643)**

Conversions

Conversions Part 1

Format	Color
Hex	B770A8
RGB	183, 112, 168
RGB Percent	72%, 44%, 66%
CMY	0.2823, 0.5608, 0.3412
CMYK	0.00, 0.39, 0.08, 0.28
HSL	313°, 33%, 58%
HSV	313°, 39%, 72%
XYZ	32.3905, 24.4828, 40.0643
YIQ	139.6130, 24.3400, 32.4680

Conversions

Conversions Part 2

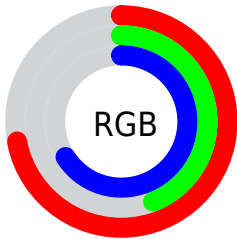
Format	Color
R_{YB}	183, 112, 168
Decimal	12021928
CIE _{Lab}	56.57, 36.45, -18.20
CIE _{LCh}	57, 40.742, 333.468
Yxy	24.4828, 0.3341, 0.2526
Android (android.graphics.Color)	4290212008 (0xFFB770A8)
YUV	139.6130, 13.9948, 38.0504
Hunter-Lab	49.4801, 30.2589, -13.3714

Details

The XYZ color **32.3905, 24.4828, 40.0643** is a light color, and the websafe version is hex **996699**. A complement of this color would be **27.4474, 38.8448, 26.1314**, and the grayscale version is **24.7189, 26.0062, 28.3207**.

A 20% lighter version of the original color is **62.7096, 50.7632, 76.3052**, and **13.9283, 9.3733, 17.5981** is the 20% darker color. If you saturate the color by 10%, you get **30.2181, 20.7055, 37.5895**, and if you desaturate by 10%, it is **34.9855, 29.0873, 42.7333**.

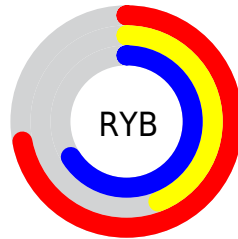
Distribution



Red (72%)

Green (44%)

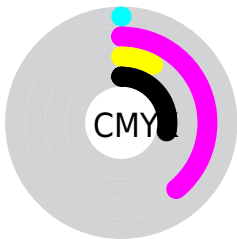
Blue (66%)



Red (72%)

Yellow (44%)

Blue (66%)

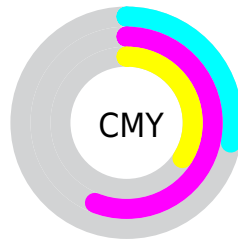


Cyan (0%)

Magenta (39%)

Yellow (8%)

Black (28%)



Cyan (28%)


Magenta (56%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3905, 24.4828, 40.0643 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 32.3905, 24.4828, 40.0643 by changing the saturation by 10% instead.

 32.3905, 24.4828,
40.0643


 32.3905, 24.4828,
40.0643

304.6081,
275.2524, 361.9547


 21.8169, 15.6921,
27.2745


 62.7838, 50.8169,
76.4996


 13.8383, 9.3066,
17.5452


 83.3343, 69.1292,
100.9821

 8.0892, 4.9417,
10.4579


 107.9412, 91.3841,
130.1994

 4.2044, 2.2131,
5.5941

 136.9697,
117.9661, 164.5699

 1.8184, 0.7271,
2.5351

170.7853,
149.2595, 204.5121

 0.5287, 0.0000,
0.8587

209.7533,

 0.0000, 0.0000,

185.6487, 250.4446

0.0000

254.2391,
227.5182, 302.7859

■ 32.3905, 24.4828,
40.0643

■ 32.3905, 24.4828,
40.0643

■ 30.2181, 20.7055,
37.5895

■ 34.9855, 29.0873,
42.7333

■ 28.4409, 17.7020,
35.2985

■ 38.0238, 34.5615,
45.6032

■ 27.0317, 15.4179,
33.1822


■ 41.5274, 40.9490,
48.6819


■ 25.9592, 13.7902,
31.2296


■ 45.5164, 48.2895,
51.9766

■ 25.1862, 12.7450,
29.4278


■ 50.0094, 56.6203,
55.4939


 24.6481, 12.1535,
27.7549

 55.0241, 65.9768,
59.2401

 24.5884, 12.0913,
27.5585

 60.5775, 76.3926,
63.2213

 65.5896, 85.7078,
67.0779

 66.0442, 85.8896,
69.4717

Harmonies

Analogous

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



28.6536, 24.4828, 54.8167



32.3905, 24.4828, 40.0643



33.5777, 24.4828, 25.1129

Triad

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



32.3905, 24.4828, 40.0643



22.7244, 24.4828, 8.1971



16.4792, 24.4828, 43.7525

Complementary

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



32.3905, 24.4828, 40.0643



27.4474, 38.8448, 26.1314

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.



15.3227, 24.4828, 28.2644



32.3905, 24.4828, 40.0643



18.6071, 24.4828, 10.3006

Square

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



32.3905, 24.4828, 40.0643



27.5728, 24.4828, 9.4871



16.0460, 24.4828, 16.6350



19.4401, 24.4828, 57.4041

Rectangle

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



32.3905, 24.4828, 40.0643



32.6473, 24.4828, 17.5734



16.0460, 24.4828, 16.6350



15.8862, 24.4828, 38.4317

Sweetspot

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



32.3913, 24.4839, 40.0648



72.1433, 69.2576, 85.2688



22.9763, 19.4594, 47.3453



15.7524, 14.9650, 18.6744



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



32.3913, 24.4839, 40.0648



54.4830, 37.7074, 67.7579



29.5780, 23.3586, 25.2501



9.2975, 9.1294, 10.9139



17.1789, 8.4453, 19.3605



0.6263, 0.3060, 0.7914

Inverse Universe

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



32.3913, 24.4839, 40.0648



54.4830, 37.7074, 67.7579



30.1115, 39.9104, 40.1601



9.2975, 9.1294, 10.9139



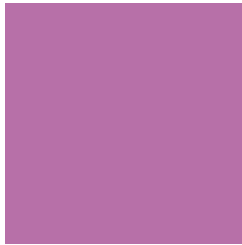
17.1789, 8.4453, 19.3605



0.6263, 0.3060, 0.7914

Previews

White Background



This preview shows how the XYZ color 32.3905, 24.4828, 40.0643 looks on a white background.

Color Contrast Check

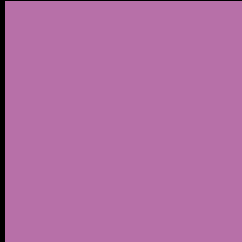
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3905, 24.4828, 40.0643 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 32.3905, 24.4828, 40.0643

Background



This preview shows how black text looks on a background with the XYZ color 32.3905, 24.4828, 40.0643.



This preview shows how white text looks on a background with the XYZ color 32.3905, 24.4828,

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

32.3905, 24.4828, 40.0643

Protanopia

25.2029, 24.6485, 48.7767

Deuteranopia

25.0800, 24.6063, 38.5496



Tritanopia

29.0390, 24.4829, 23.9640

Trichromacy



Original Color

32.3905, 24.4828, 40.0643

Protanomaly

26.9983, 24.0654, 45.3416

Deuteranomaly

27.0740, 24.0592, 38.8143

Tritanomaly

30.1416, 24.4090, 29.1094

Monochromacy



Original Color

32.3905, 24.4828, 40.0643

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.1980, 25.2352, 32.2916

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3905, 24.4828, 40.0643 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(183, 112, 168)` looks like.

```
.text, #text, p{  
    color:rgb(183, 112, 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(183, 112, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 112, 168) }
```

Border

The CSS property to change the border of an element to XYZ 32.3905, 24.4828, 40.0643 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(183, 112, 168) }
```


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

```
.border{ border-color:rgb(183, 112, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 112, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 112, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 112, 168);  
box-shadow:4px 4px 4px 4px rgb(183, 112,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3905, 24.4828, 40.0643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 112, 168) }
```

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

```
.background{ background-color: rgb(183,  
112, 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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