

Converting Colors

XYZ(33.8415, 24.7074, 42.2111)

Have a look what the booklet for
XYZ(33.8415, 24.7074, 42.2111)
contains.

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Color

**XYZ(33.9013, 24.7347,
42.0172)**

Conversions

Conversions Part 1

Format	Color
Hex	BD6DAC
RGB	189, 109, 172
RGB Percent	74%, 43%, 67%
CMY	0.2588, 0.5725, 0.3255
CMYK	0.00, 0.42, 0.09, 0.26
HSL	313°, 38%, 58%
HSV	313°, 42%, 74%
XYZ	33.9013, 24.7347, 42.0172
YIQ	140.1020, 27.4570, 36.5530

Conversions

Conversions Part 2

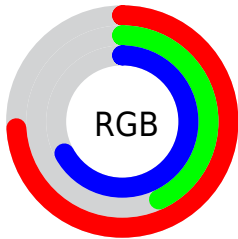
Format	Color
RYB	189, 109, 172
Decimal	12414380
CIELab	56.82, 40.73, -20.06
CIELCh	57, 45.404, 333.776
Yxy	24.7347, 0.3368, 0.2457
Android (android.graphics.Color)	4290604460 (0xFFBD6DAC)
YUV	140.1020, 15.7257, 42.8835
Hunter-Lab	49.7340, 34.6405, -15.2767

Details

The XYZ color **33.9013, 24.7347, 42.0172** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **28.2713, 41.1535, 26.1938**, and the grayscale version is **24.9010, 26.1978, 28.5294**.

A 20% lighter version of the original color is **65.2817, 51.2163, 79.8438**, and **14.7347, 9.4505, 18.8168** is the 20% darker color. If you saturate the color by 10%, you get **31.7179, 20.9755, 39.4150**, and if you desaturate by 10%, it is **36.5314, 29.3678, 44.8263**.

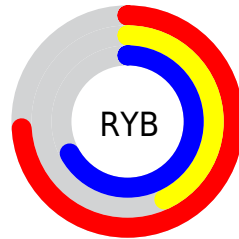
Distribution



Red (74%)

Green (43%)

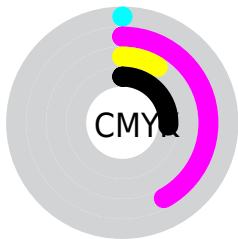
Blue (67%)



Red (74%)

Yellow (43%)

Blue (67%)

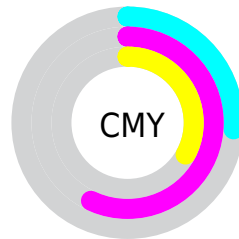


Cyan (0%)

Magenta (42%)

Yellow (9%)

Black (26%)



Cyan (26%)


Magenta (57%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.9013, 24.7347, 42.0172 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 33.9013, 24.7347, 42.0172 by changing the saturation by 10% instead.

 33.9013, 24.7347,
42.0172


 33.9013, 24.7347,
42.0172


311.2854,
276.5141, 370.3560


 22.9803, 15.8795,
28.7891

 65.1255, 51.2265,
79.4960


 14.6996, 9.4389,
18.6771


 86.1594, 69.6319,
104.5838

 8.6938, 5.0286,
11.2628


 111.2949, 91.9895,
134.4619

 4.5975, 2.2640,
6.1275

 140.8975,
118.6837, 169.5489

 2.0454, 0.7546,
2.8527

175.3325,
150.0988, 210.2632

 0.6593, 0.0000,
1.0199

214.9653,

 0.0000, 0.0000,

186.6194, 257.0235

0.0000

260.1611,
228.6297, 310.2482

■ 33.9013, 24.7347,
42.0172

■ 33.9013, 24.7347,
42.0172

■ 31.7179, 20.9755,
39.4150

■ 36.5314, 29.3678,
44.8263

■ 29.9507, 18.0307,
37.0083

■ 39.6315, 34.9224,
47.8499

■ 28.5690, 15.8385,
34.7867

■ 43.2261, 41.4471,
51.0968

■ 27.5368, 14.3273,
32.7376

■ 47.3372, 48.9856,
54.5749

■ 26.8112, 13.4111,
30.8461

■ 51.9856, 57.5793,
58.2915

■ 26.3982, 12.9836,
29.4798

■ 57.1907, 67.2672,
62.2537

■ 62.9712, 78.0861,
66.4680

■ 67.6615, 86.7049,
70.3798

■ 68.1500, 86.9003,
72.9524

Harmonies

Analogous

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



29.6501, 24.7347, 59.2531



33.9013, 24.7347, 42.0172



35.2305, 24.7347, 25.0532

Triad

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



33.9013, 24.7347, 42.0172



22.8441, 24.7347, 7.0314



16.0077, 24.7347, 46.6614

Complementary

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



33.9013, 24.7347, 42.0172



28.2713, 41.1535, 26.1938

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.



14.7278, 24.7347, 28.9022



33.9013, 24.7347, 42.0172



18.2814, 24.7347, 9.2134

Square

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



33.9013, 24.7347, 42.0172



28.3124, 24.7347, 8.3039



15.4934, 24.7347, 15.9735



19.2832, 24.7347, 62.5679

Rectangle

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



33.9013, 24.7347, 42.0172



34.1370, 24.7347, 16.7858



15.4934, 24.7347, 15.9735



15.3542, 24.7347, 40.5131

Sweetspot

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



33.9021, 24.7358, 42.0177



76.8127, 73.1282, 90.9841



23.1126, 18.9728, 50.5885



16.1990, 15.1444, 19.2832



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



33.9021, 24.7358, 42.0177



56.9872, 37.8739, 70.8207



30.6895, 23.4508, 25.1006



9.8408, 9.6606, 11.5505



17.7901, 8.7472, 19.9863



0.7190, 0.3515, 0.8994

Inverse Universe

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



33.9021, 24.7358, 42.0177



56.9872, 37.8739, 70.8207



31.2968, 42.3637, 42.1258



9.8408, 9.6606, 11.5505



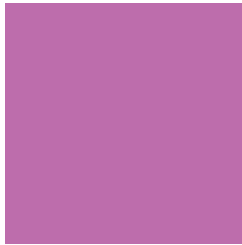
17.7901, 8.7472, 19.9863



0.7190, 0.3515, 0.8994

Previews

White Background



This preview shows how the XYZ color 33.9013, 24.7347, 42.0172 looks on a white background.

Color Contrast Check

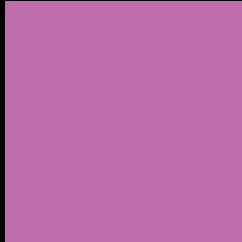
Large Text (above 18pt) WCAG AA ✓ Pass

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 33.9013, 24.7347, 42.0172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

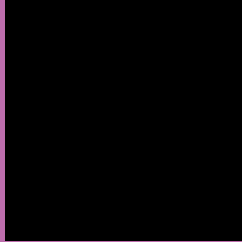
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 33.9013, 24.7347, 42.0172

Background



This preview shows how black text looks on a background with the XYZ color 33.9013, 24.7347, 42.0172.



This preview shows how white text looks on a background with the XYZ color 33.9013, 24.7347,

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

33.9013, 24.7347, 42.0172

Protanopia

25.8137, 25.0826, 52.7711

Deuteranopia

25.4245, 24.9457, 40.5208



Tritanopia

30.0764, 24.6795, 23.2571

Trichromacy



Original Color

33.9013, 24.7347, 42.0172

Protanomaly

27.7896, 24.4021, 48.5928

Deuteranomaly

27.8215, 24.4018, 40.7798

Tritanomaly

31.3384, 24.6837, 29.0993

Monochromacy



Original Color

33.9013, 24.7347, 42.0172

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

27.6183, 25.2366, 33.1213

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9013, 24.7347, 42.0172 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(189, 109, 172)` looks like.

```
.text, #text, p{  
    color:rgb(189, 109, 172)  
}
```

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(189, 109, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 109, 172) }
```

Border

The CSS property to change the border of an element to XYZ 33.9013, 24.7347, 42.0172 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(189, 109, 172) }
```


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

```
.border{ border-color:rgb(189, 109, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 109, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 109, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 109, 172);  
box-shadow:4px 4px 4px 4px rgb(189, 109,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9013, 24.7347, 42.0172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 109, 172) }
```

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

```
.background{ background-color: rgb(189,  
109, 172) }
```

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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