

Converting Colors

XYZ(36.6173, 30.2908, 42.9013)

Have a look what the booklet for
XYZ(36.6173, 30.2908, 42.9013)
contains.

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Color

**XYZ(36.6839, 30.2999,
42.9447)**

Conversions

Conversions Part 1

Format	Color
Hex	BD84AC
RGB	189, 132, 172
RGB Percent	74%, 52%, 67%
CMY	0.2588, 0.4823, 0.3255
CMYK	0.00, 0.30, 0.09, 0.26
HSL	318°, 30%, 63%
HSV	318°, 30%, 74%
XYZ	36.6839, 30.2999, 42.9447
YIQ	153.6030, 21.1320, 24.5240

Conversions

Conversions Part 2

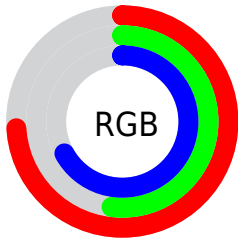
Format	Color
RYB	189, 132, 172
Decimal	12420268
CIELab	61.91, 28.21, -12.34
CIElCh	62, 30.793, 336.374
Yxy	30.2999, 0.3337, 0.2756
Android (android.graphics.Color)	4290610348 (0xFFBD84AC)
YUV	153.6030, 9.0697, 31.0432
Hunter-Lab	55.0453, 22.6285, -7.7245

Details

The XYZ color **36.6839, 30.2999, 42.9447** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.1394, 43.4715, 35.0799**, and the grayscale version is **30.4972, 32.0854, 34.9410**.

A 20% lighter version of the original color is **69.4301, 60.2567, 80.6444**, and **16.3991, 12.5415, 19.3257** is the 20% darker color. If you saturate the color by 10%, you get **33.8196, 25.4190, 39.3753**, and if you desaturate by 10%, it is **40.0373, 36.1213, 46.7911**.

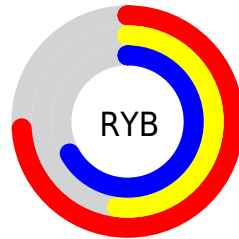
Distribution



Red (74%)

Green (52%)

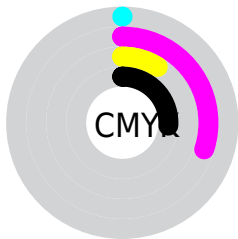
Blue (67%)



Red (74%)

Yellow (52%)

Blue (67%)

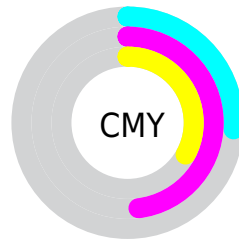


Cyan (0%)

Magenta (30%)

Yellow (9%)

Black (26%)



Cyan (26%)


Magenta (48%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6839, 30.2999, 42.9447 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 36.6839, 30.2999, 42.9447 by changing the saturation by 10% instead.


 36.6839, 30.2999,
42.9447


 36.6839, 30.2999,
42.9447


323.3193,
303.2999, 374.2988


 25.1354, 20.0663,
29.5106


 69.4033, 60.1361,
80.9129

 16.3072, 12.4433,
19.2186


 91.3050, 80.5076,
106.2841

 9.8340, 7.0463,
11.6499


 117.3884,
105.0271, 136.4714

 5.3505, 3.4911,
6.3861

148.0189,
134.0791, 171.8934

 2.4912, 1.3932,
3.0087

183.5619,
168.0480, 212.9686

 0.8908, 0.2117,
1.0991

224.3828,

 0.0000, 0.0000,

207.3182, 260.1155

0.0000

270.8468,
252.2740, 313.7528

■ 36.6839, 30.2999,
42.9447

■ 36.6839, 30.2999,
42.9447

■ 33.8196, 25.4190,
39.3753

■ 40.0373, 36.1213,
46.7911

■ 31.4163, 21.4243,
36.0713

■ 43.9005, 42.9256,
50.9218

■ 29.4471, 18.2620,
33.0224

■ 48.2964, 50.7576,
55.3460

■ 27.8813, 15.8710,
30.2171

■ 53.2456, 59.6580,
60.0721

■ 26.6837, 14.1816,
27.6422

■ 58.7675, 69.6655,
65.1077

■ 25.8130, 13.1115,
25.2824

■ 64.8808, 80.8168,
70.4603

■ 25.1945, 12.5021,
23.1411

■ 68.5623, 87.0653,
75.1235

■ 69.2837, 87.3538,
78.9223

■ 70.0302, 87.6524,
82.8532

Harmonies

Analogous

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



33.7574, 30.2999, 54.8378



36.6839, 30.2999, 42.9447



37.4113, 30.2999, 30.5361

Triad

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



36.6839, 30.2999, 42.9447



27.9285, 30.2999, 15.1904



22.8800, 30.2999, 48.3588

Complementary

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



36.6839, 30.2999, 42.9447



33.1394, 43.4715, 35.0799

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.



21.6218, 30.2999, 35.5750



36.6839, 30.2999, 42.9447



24.3518, 30.2999, 17.8882

Square

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



36.6839, 30.2999, 42.9447



32.0920, 30.2999, 16.2650



22.1338, 30.2999, 24.7087



25.7396, 30.2999, 58.4488

Rectangle

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



36.6839, 30.2999, 42.9447



36.4955, 30.2999, 23.9042



22.1338, 30.2999, 24.7087



22.2688, 30.2999, 44.1313

Sweetspot

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



36.6848, 30.3013, 42.9453



79.3784, 78.2145, 91.9783



29.6778, 26.4881, 51.6931



16.8375, 16.4076, 19.5390



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.



36.6848, 30.3013, 42.9453



62.3103, 48.4686, 72.7544



34.2995, 29.3471, 30.3843



9.8054, 9.6465, 11.3643



16.9864, 8.4257, 15.7538



0.6929, 0.3410, 0.7620

Inverse Universe

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



36.6848, 30.3013, 42.9453



62.3103, 48.4686, 72.7544



35.6153, 44.4619, 48.1180



9.8054, 9.6465, 11.3643



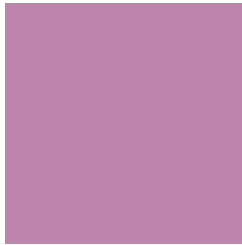
16.9864, 8.4257, 15.7538



0.6929, 0.3410, 0.7620

Previews

White Background



This preview shows how the XYZ color 36.6839, 30.2999, 42.9447 looks on a white background.

Color Contrast Check

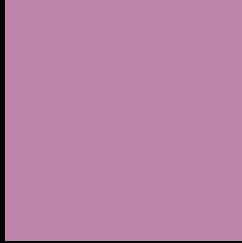
Large Text (above 18pt) WCAG AA × Fail

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 36.6839, 30.2999, 42.9447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

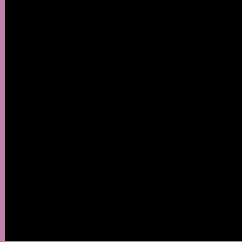
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.6839, 30.2999, 42.9447

Background



This preview shows how black text looks on a background with the XYZ color 36.6839, 30.2999, 42.9447.



This preview shows how white text looks on a background with the XYZ color 36.6839, 30.2999,

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

36.6839, 30.2999, 42.9447

Protanopia

30.4500, 30.6646, 49.1137

Deuteranopia

30.9579, 30.3909, 41.7705



Tritanopia

34.4618, 30.4370, 31.6624

Trichromacy



Original Color

36.6839, 30.2999, 42.9447

Protanomaly

32.2572, 30.2705, 46.7905

Deuteranomaly

32.7169, 30.1675, 42.1288

Tritanomaly

35.1582, 30.2930, 35.4466

Monochromacy



Original Color

36.6839, 30.2999, 42.9447

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.6483, 31.3465, 38.0479

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6839, 30.2999, 42.9447 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, 132, 172)` looks like.

```
.text, #text, p{  
    color:rgb(189, 132, 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, 132, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 132, 172) }
```

Border

The CSS property to change the border of an element to XYZ 36.6839, 30.2999, 42.9447 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, 132, 172) }
```


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

```
.border{ border-color:rgb(189, 132, 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, 132, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 132, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 132, 172);  
box-shadow:4px 4px 4px 4px rgb(189, 132,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6839, 30.2999, 42.9447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 132, 172) }
```

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

```
.background{ background-color: rgb(189,  
132, 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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