

Converting Colors

$Y_{xy}(33.1999, 0.3413, 0.2839)$

Have a look what the booklet for
Yxy(33.1999, 0.3413, 0.2839)
contains.

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Color

Yxy(33.1999, 0.3413, 0.2839)

Conversions

Conversions Part 1

Format	Color
Hex	C68AAD
RGB	198, 138, 173
RGB Percent	78%, 54%, 68%
CMY	0.2236, 0.4587, 0.3216
CMYK	0.00, 0.30, 0.13, 0.22
HSL	325°, 34%, 66%
HSV	325°, 30%, 78%
XYZ	39.9124, 33.1999, 43.8299
YIQ	159.9300, 24.5250, 23.6050

Conversions

Conversions Part 2

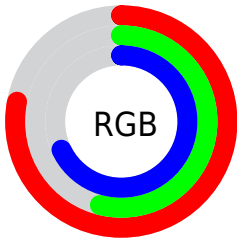
Format	Color
RYB	198, 138, 173
Decimal	13011629
CIELab	64.32, 28.20, -9.19
CIElCh	64, 29.661, 341.960
Yxy	33.1999, 0.3413, 0.2839
Android (android.graphics.Color)	4291201709 (0xFFC68AAD)
YUV	159.9300, 6.4435, 33.3874
Hunter-Lab	57.6194, 22.8114, -4.7672

Details

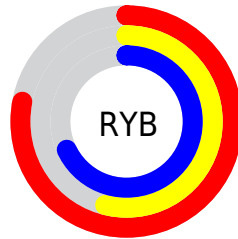
The Yxy color **33.1999, 0.3413, 0.2839** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.4241, 0.2919, 0.3791**, and the grayscale version is **35.0816, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5607, 0.3359, 0.2926**, and **14.0365, 0.3493, 0.2696** is the 20% darker color. If you saturate the color by 10%, you get **27.7184, 0.3543, 0.2687**, and if you desaturate by 10%, it is **39.7395, 0.3302, 0.2993**.

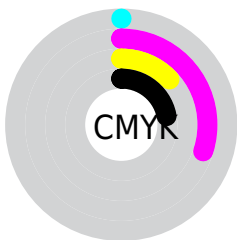
Distribution



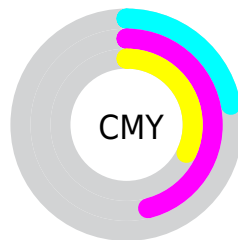
- Red (78%)
- Green (54%)
- Blue (68%)



- Red (78%)
- Yellow (54%)
- Blue (68%)



- Cyan (0%)
- Magenta (30%)
- Yellow (13%)
- Black (22%)





- Cyan (22%)
- Magenta (46%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1999, 0.3413, 0.2839 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 Yxy color 33.1999, 0.3413, 0.2839 by changing the saturation by 10% instead.


 33.1999, 0.3413,
0.2839


 33.1999, 0.3413,
0.2839


316.5495, 0.3266,
0.3069

 22.2796, 0.3451,
0.2780


 64.6875, 0.3359,
0.2924

 14.0625, 0.3501,
0.2704


 86.0236, 0.3339,
0.2955

 8.1642, 0.3568,
0.2601


 111.6005, 0.3322,
0.2981

 4.2002, 0.3665,
0.2456

141.8024, 0.3307,
0.3004

 1.7862, 0.3815,
0.2233

177.0139, 0.3295,
0.3024

 0.4785, 0.4163,
0.1687

217.6194, 0.3284,


 0.0000, 1.0000,


0.3041


0.0000


264.0031, 0.3275,
0.3056


 0.0000, 0.0000,
0.0000


 33.1999, 0.3413,
0.2839


 33.1999, 0.3413,
0.2839


 27.7184, 0.3543,
0.2687


 39.7395, 0.3302,
0.2993


 23.2339, 0.3693,
0.2544


 47.3852, 0.3208,
0.3143


 19.6858, 0.3861,
0.2420


 56.1872, 0.3129,
0.3286


 17.0052, 0.4045,
0.2326


 66.1915, 0.3064,
0.3420


 15.1134, 0.4238,
0.2275

 77.4415, 0.3009,
0.3545

 13.9174, 0.4432,
0.2274

 88.8220, 0.2964,
0.3642

 13.2498, 0.4618,
0.2318

 89.2768, 0.2920,
0.3550

 89.7535, 0.2876,
0.3460

 90.2524, 0.2834,
0.3371

Harmonies

Analogous

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



33.1999, 0.2941, 0.2618



33.1999, 0.3413, 0.2839



33.1999, 0.3829, 0.3164

Triad

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



33.1999, 0.3413, 0.2839



33.1999, 0.3694, 0.4101



33.1999, 0.2290, 0.2935

Complementary

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



33.1999, 0.3413, 0.2839



48.4241, 0.2919, 0.3791

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.



33.1999, 0.2460, 0.3366



33.1999, 0.3413, 0.2839



33.1999, 0.3259, 0.4093

Square

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



33.1999, 0.3413, 0.2839



33.1999, 0.3988, 0.3879



33.1999, 0.2808, 0.3813



33.1999, 0.2322, 0.2649

Rectangle

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



33.1999, 0.3413, 0.2839



33.1999, 0.4001, 0.3411



33.1999, 0.2808, 0.3813



33.1999, 0.2324, 0.3067

Sweetspot

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



33.2014, 0.3413, 0.2839



85.6205, 0.3198, 0.3160



30.0458, 0.2823, 0.2466



17.8636, 0.3211, 0.3138



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



33.2014, 0.3413, 0.2839



52.5214, 0.3492, 0.2743



32.1687, 0.3743, 0.3225



10.7389, 0.3200, 0.3156



8.6370, 0.4594, 0.2304



0.4232, 0.4230, 0.2104

Inverse Universe

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



33.2014, 0.3413, 0.2839



52.5214, 0.3492, 0.2743



49.6284, 0.2726, 0.3357



10.7389, 0.3200, 0.3156



8.6370, 0.4594, 0.2304



0.4232, 0.4230, 0.2104

Previews

White Background



This preview shows how the Yxy color 33.1999, 0.3413, 0.2839 looks on a white background.

Color Contrast Check

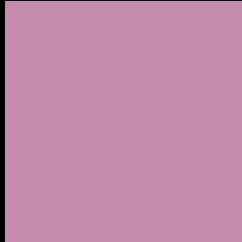
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 33.1999, 0.3413, 0.2839 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

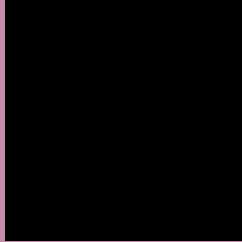
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1999, 0.3413, 0.2839

Background



This preview shows how black text looks on a background with the Yxy color 33.1999, 0.3413, 0.2839.



This preview shows how white text looks on a background with the Yxy color 33.1999, 0.3413, 0.2839.

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

33.1999, 0.3413, 0.2839

Protanopia

33.4827, 0.2840, 0.2870

Deuteranopia

33.3581, 0.3090, 0.3032



Tritanopia

33.3817, 0.3598, 0.3145

Trichromacy



Original Color

33.1999, 0.3413, 0.2839

Protanomaly

33.1150, 0.3030, 0.2856

Deuteranomaly

33.1548, 0.3204, 0.2957

Tritanomaly

33.4581, 0.3535, 0.3041

Monochromacy



Original Color

33.1999, 0.3413, 0.2839

Achromatopsia

35.1533, 0.3127, 0.3290

Achromatomaly

34.1718, 0.3226, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1999, 0.3413, 0.2839 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(198, 138, 173)` looks like.

```
.text, #text, p{  
    color:rgb(198, 138, 173)  
}
```

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(198, 138, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 138, 173) }
```

Border

The CSS property to change the border of an element to Yxy 33.1999, 0.3413, 0.2839 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(198, 138, 173) }
```

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

```
.border{ border-color:rgb(198, 138, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 138, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 138, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 138, 173);  
box-shadow:4px 4px 4px 4px rgb(198, 138,  
173) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1999, 0.3413, 0.2839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 138, 173) }
```

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

```
.background{ background-color: rgb(198,  
138, 173) }
```

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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