

Converting Colors

$Y_{xy}(34.1485, 0.3275, 0.2704)$

Have a look what the booklet for
Yxy(34.1485, 0.3275, 0.2704)
contains.

| | |
|--|----|
| Yxy(34.3071, 0.3277, 0.2707) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(34.3071, 0.3277, 0.2707)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | C68CBA |
| RGB | 198, 140, 186 |
| RGB Percent | 78%, 55%, 73% |
| CMY | 0.2235, 0.4510, 0.2705 |
| CMYK | 0.00, 0.29, 0.06, 0.22 |
| HSL | 312°, 34%, 66% |
| HSV | 312°, 29%, 78% |
| XYZ | 41.5310, 34.3071, 50.8967 |
| YIQ | 162.5860, 19.8020, 26.6020 |

Conversions

Conversions Part 2

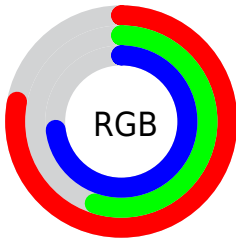
| Format | Color |
|-------------------------------------|--|
| RYB | 198, 140, 186 |
| Decimal | 13012154 |
| CIELab | 65.21, 29.39, -15.21 |
| CIElCh | 65, 33.092, 332.642 |
| Yxy | 34.3071, 0.3277, 0.2707 |
| Android (android.graphics.Color) | 4291202234 (0xFFC68CBA) |
| YUV | 162.5860, 11.5431, 31.0581 |
| Hunter-Lab | 58.5723, 24.0649, -10.5198 |

Details

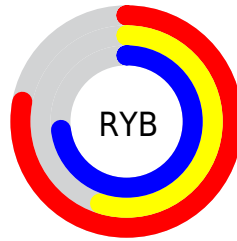
The Yxy color $34.3071, 0.3277, 0.2707$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $48.2305, 0.3007, 0.3954$, and the grayscale version is $36.3594, 0.3127, 0.3290$.

A 20% lighter version of the original color is $66.2544, 0.3250, 0.2813$, and $14.6779, 0.3309, 0.2538$ is the 20% darker color. If you saturate the color by 10%, you get $28.8619, 0.3342, 0.2508$, and if you desaturate by 10%, it is $40.8015, 0.3219, 0.2910$.

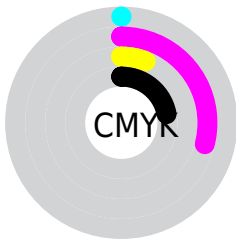
Distribution



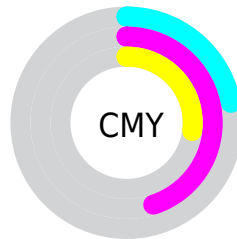
- Red (78%)
- Green (55%)
- Blue (73%)



- Red (78%)
- Yellow (55%)
- Blue (73%)



- Cyan (0%)
- Magenta (29%)
- Yellow (6%)
- Black (22%)





- Cyan (22%)
- Magenta (45%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3071, 0.3277, 0.2707 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 34.3071, 0.3277, 0.2707 by changing the saturation by 10% instead.


 34.3071, 0.3277,
0.2707


 34.3071, 0.3277,
0.2707


321.4992, 0.3205,
0.2999


 23.1296, 0.3294,
0.2634


 66.4110, 0.3251,
0.2813

 14.6892, 0.3316,
0.2541


 88.1061, 0.3242,
0.2853

 8.6016, 0.3343,
0.2417

 114.0760, 0.3233,
0.2887

 4.4822, 0.3379,
0.2246

144.7049, 0.3226,
0.2915

 1.9468, 0.3427,
0.1993

180.3773, 0.3220,
0.2940

 0.5763, 0.3522,
0.1515

221.4775, 0.3214,

 0.0000, 0.3050,

0.2962

0.0000

268.3901, 0.3209,
0.2982

0.0000, 0.0000,
0.0000

34.3071, 0.3277,
0.2707

34.3071, 0.3277,
0.2707

28.8619, 0.3342,
0.2508

40.8015, 0.3219,
0.2910

24.4053, 0.3414,
0.2321

48.3921, 0.3168,
0.3110

20.8778, 0.3491,
0.2156

57.1288, 0.3124,
0.3303

18.2114, 0.3572,
0.2022

67.0570, 0.3087,
0.3486

16.3290, 0.3654,
0.1929

78.2196, 0.3055,
0.3656

■ 15.1395, 0.3733,
0.1882

■ 88.2070, 0.3029,
0.3776

■ 14.4836, 0.3810,
0.1876

■ 88.4143, 0.3007,
0.3730

■ 14.4433, 0.3816,
0.1876

■ 88.6268, 0.2984,
0.3684

■ 88.8446, 0.2962,
0.3638

Harmonies

Analogous

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



34.3071, 0.2772, 0.2512



34.3071, 0.3277, 0.2707



34.3071, 0.3776, 0.3031

Triad

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



34.3071, 0.3277, 0.2707



34.3071, 0.3871, 0.4126



34.3071, 0.2244, 0.3029

Complementary

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



34.3071, 0.3277, 0.2707



48.2305, 0.3007, 0.3954

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.



34.3071, 0.2493, 0.3533



34.3071, 0.3277, 0.2707



34.3071, 0.3425, 0.4216

Square

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



34.3071, 0.3277, 0.2707



34.3071, 0.4126, 0.3821



34.3071, 0.2920, 0.3997



34.3071, 0.2212, 0.2659

Rectangle

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



34.3071, 0.3277, 0.2707



34.3071, 0.4019, 0.3290



34.3071, 0.2920, 0.3997



34.3071, 0.2304, 0.3188

Sweetspot

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



34.3086, 0.3277, 0.2707



85.9197, 0.3167, 0.3113



29.4712, 0.2719, 0.2470



17.9376, 0.3174, 0.3084



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.



34.3086, 0.3277, 0.2707



54.5304, 0.3317, 0.2582



33.2108, 0.3577, 0.3063



10.7776, 0.3169, 0.3109



9.4055, 0.3806, 0.1870



0.4551, 0.3659, 0.1789

Inverse Universe

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



34.3086, 0.3277, 0.2707



54.5304, 0.3317, 0.2582



49.2838, 0.2817, 0.3532



10.7776, 0.3169, 0.3109



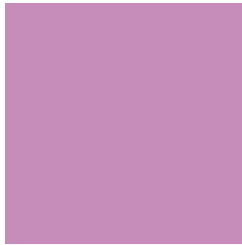
9.4055, 0.3806, 0.1870



0.4551, 0.3659, 0.1789

Previews

White Background



This preview shows how the Yxy color 34.3071, 0.3277, 0.2707 looks on a white background.

Color Contrast Check

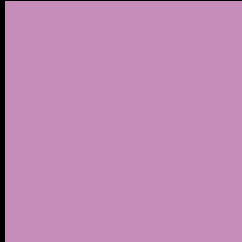
Large Text (above 18pt) WCAG AA × Fail

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 34.3071, 0.3277, 0.2707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

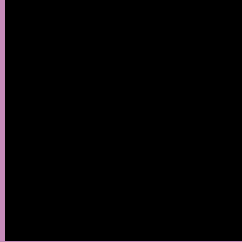
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3071, 0.3277, 0.2707

Background



This preview shows how black text looks on a background with the Yxy color 34.3071, 0.3277, 0.2707.



This preview shows how white text looks on a background with the Yxy color 34.3071, 0.3277, 0.2707.

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

34.3071, 0.3277, 0.2707

Protanopia

34.5807, 0.2717, 0.2712

Deuteranopia

34.5430, 0.2947, 0.2895



Tritanopia

34.1545, 0.3526, 0.3131

Trichromacy



Original Color

34.3071, 0.3277, 0.2707

Protanomaly

34.2437, 0.2900, 0.2703

Deuteranomaly

34.3873, 0.3061, 0.2827

Tritanomaly

34.0742, 0.3425, 0.2963

Monochromacy



Original Color

34.3071, 0.3277, 0.2707

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

35.6131, 0.3186, 0.3069

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3071, 0.3277, 0.2707 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, 140, 186)` looks like.

```
.text, #text, p{  
    color:rgb(198, 140, 186)  
}
```

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, 140, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 140, 186) }
```

Border

The CSS property to change the border of an element to Yxy 34.3071, 0.3277, 0.2707 is called "border". The border property can be set on classes, ids or directly on the HTML element.

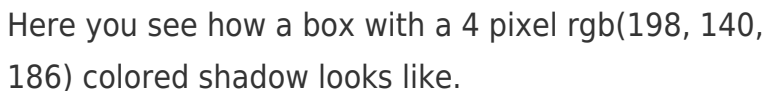
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 140, 186) }
```

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

```
.border{ border-color:rgb(198, 140, 186) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 140, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(198, 140, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(198, 140, 186); box-shadow:4px 4px 4px 4px rgb(198, 140, 186) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3071, 0.3277, 0.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 140, 186) }
```

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

```
.background{ background-color: rgb(198,  
140, 186) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor