

Converting Colors

$Y_{xy}(35.3842, 0.3101, 0.2877)$

Have a look what the booklet for
Yxy(35.3842, 0.3101, 0.2877)
contains.

Yxy(35.3403, 0.3098, 0.2871)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.3403, 0.3098, 0.2871)

Conversions

Conversions Part 1

Format	Color
Hex	B298B7
RGB	178, 152, 183
RGB Percent	70%, 60%, 72%
CMY	0.3020, 0.4039, 0.2823
CMYK	0.03, 0.17, 0.00, 0.28
HSL	290°, 18%, 66%
HSV	290°, 17%, 72%
XYZ	38.1345, 35.3403, 49.6192
YIQ	163.3080, 5.5450, 15.1530

Conversions

Conversions Part 2

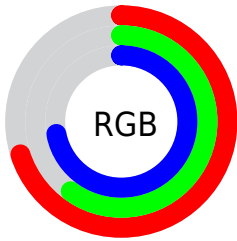
Format	Color
RYB	178, 152, 183
Decimal	11704503
CIELab	66.01, 15.27, -12.51
CIELCh	66, 19.740, 320.688
Yxy	35.3403, 0.3098, 0.2871
Android (android.graphics.Color)	4289894583 (0xFFB298B7)
YUV	163.3080, 9.7082, 12.8849
Hunter-Lab	59.4477, 10.4707, -7.8742

Details

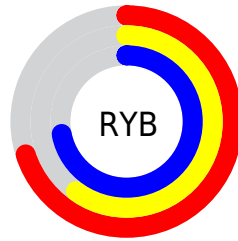
The Yxy color $35.3403, 0.3098, 0.2871$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $43.3122, 0.3149, 0.3735$, and the grayscale version is $36.7307, 0.3127, 0.3290$.

A 20% lighter version of the original color is $67.8670, 0.3106, 0.2945$, and $15.2790, 0.3084, 0.2749$ is the 20% darker color. If you saturate the color by 10%, you get $29.5048, 0.3075, 0.2613$, and if you desaturate by 10%, it is $42.1031, 0.3117, 0.3122$.

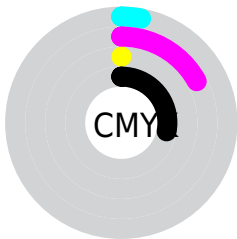
Distribution



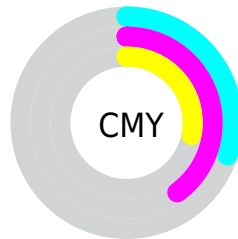
- Red (70%)
- Green (60%)
- Blue (72%)



- Red (70%)
- Yellow (60%)
- Blue (72%)



- Cyan (3%)
- Magenta (17%)
- Yellow (0%)
- Black (28%)




- Cyan (30%)
- Magenta (40%)
- Yellow (28%)
- Black (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3403, 0.3098, 0.2871 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 35.3403, 0.3098, 0.2871 by changing the saturation by 10% instead.


 35.3403, 0.3098,
0.2871


 35.3403, 0.3098,
0.2871

326.0679, 0.3116,
0.3084

 23.9251, 0.3092,
0.2817


 68.0126, 0.3105,
0.2949

 15.2781, 0.3085,
0.2747


 90.0385, 0.3108,
0.2978

 9.0148, 0.3073,
0.2653


116.3702, 0.3110,
0.3003

 4.7508, 0.3054,
0.2520

147.3919, 0.3111,
0.3023

 2.1018, 0.3020,
0.2319

183.4882, 0.3113,
0.3042

 0.6656, 0.2963,
0.1940

225.0433, 0.3114,

 0.0000, 0.0000,

0.3057

0.0000

272.4417, 0.3115,
0.3071

■ 35.3403, 0.3098,
0.2871

■ 35.3403, 0.3098,
0.2871

■ 29.5048, 0.3075,
0.2613

■ 42.1031, 0.3117,
0.3122

■ 24.5500, 0.3048,
0.2357

■ 49.8280, 0.3131,
0.3362

■ 20.4324, 0.3016,
0.2110

■ 58.5533, 0.3143,
0.3586

■ 17.1027, 0.2980,
0.1882

■ 68.3140, 0.3151,
0.3794

■ 14.5064, 0.2941,
0.1685

■ 79.1436, 0.3157,
0.3985

■ 12.5821, 0.2900,
0.1526

■ 86.6474, 0.3166,
0.4094

■ 11.2585, 0.2858,
0.1410

■ 87.0487, 0.3185,
0.4089

■ 10.4356, 0.2815,
0.1336

■ 87.4579, 0.3203,
0.4084

■ 10.2253, 0.2802,
0.1317

■ 87.8751, 0.3222,
0.4080

Harmonies

Analogous

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



35.3403, 0.2814, 0.2792



35.3403, 0.3098, 0.2871



35.3403, 0.3403, 0.3048

Triad

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



35.3403, 0.3098, 0.2871



35.3403, 0.3651, 0.3739



35.3403, 0.2638, 0.3260

Complementary

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



35.3403, 0.3098, 0.2871



43.3122, 0.3149, 0.3735

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.



35.3403, 0.2845, 0.3548



35.3403, 0.3098, 0.2871



35.3403, 0.3429, 0.3830

Square

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



35.3403, 0.3098, 0.2871



35.3403, 0.3731, 0.3536



35.3403, 0.3133, 0.3763



35.3403, 0.2559, 0.2999

Rectangle

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



35.3403, 0.3098, 0.2871



35.3403, 0.3573, 0.3203



35.3403, 0.3133, 0.3763



35.3403, 0.2694, 0.3358

Sweetspot

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



35.3418, 0.3098, 0.2871



77.8328, 0.3120, 0.3168



34.2688, 0.2858, 0.2916



16.9864, 0.3118, 0.3151



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



35.3418, 0.3098, 0.2871



59.5627, 0.3091, 0.2784



35.5326, 0.3243, 0.3011



9.0871, 0.3112, 0.3063



7.1571, 0.2808, 0.1320



0.2722, 0.2918, 0.1381

Inverse Universe

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



34.9634, 0.3395, 0.3221



58.7861, 0.3461, 0.3207



43.1703, 0.3027, 0.3587



9.0353, 0.3263, 0.3253



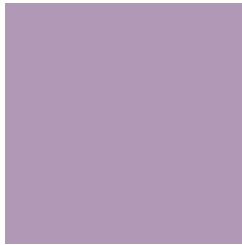
7.0942, 0.6142, 0.3157



0.2575, 0.5513, 0.2810

Previews

White Background



This preview shows how the Yxy color 35.3403, 0.3098, 0.2871 looks on a white background.

Color Contrast Check

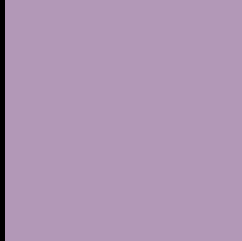
Large Text (above 18pt) WCAG AA × Fail

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 35.3403, 0.3098, 0.2871 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 35.3403, 0.3098, 0.2871

Background



This preview shows how black text looks on a background with the Yxy color 35.3403, 0.3098, 0.2871.



This preview shows how white text looks on a background with the Yxy color 35.3403, 0.3098, 0.2871.

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

35.3403, 0.3098, 0.2871

Protanopia

35.3957, 0.2846, 0.2879

Deuteranopia

35.2613, 0.2993, 0.2927



Tritanopia

35.4628, 0.3224, 0.3123

Trichromacy



Original Color

35.3403, 0.3098, 0.2871

Protanomaly

35.1086, 0.2932, 0.2871

Deuteranomaly

35.3661, 0.3030, 0.2917

Tritanomaly

35.4754, 0.3179, 0.3029

Monochromacy



Original Color

35.3403, 0.3098, 0.2871

Achromatopsia

36.6253, 0.3127, 0.3290

Achromatomaly

36.0234, 0.3115, 0.3135

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3403, 0.3098, 0.2871 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(178, 152, 183)` looks like.

```
.text, #text, p{  
    color:rgb(178, 152, 183)  
}
```

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(178, 152, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 152, 183) }
```

Border

The CSS property to change the border of an element to Yxy 35.3403, 0.3098, 0.2871 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(178, 152, 183) }
```

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

```
.border{ border-color:rgb(178, 152, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 152, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 152, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 152, 183);  
box-shadow:4px 4px 4px 4px rgb(178, 152,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3403, 0.3098, 0.2871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 152, 183) }
```

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

```
.background{ background-color: rgb(178,  
152, 183) }
```

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