

Converting Colors

$Yxy(31.9787, 0.2874, 0.2485)$

Have a look what the booklet for
Yxy(31.9787, 0.2874, 0.2485)
contains.

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Color

Yxy(31.9247, 0.2874, 0.2489)

Conversions

Conversions Part 1

Format	Color
Hex	AB8DC9
RGB	171, 141, 201
RGB Percent	67%, 55%, 79%
CMY	0.3294, 0.4471, 0.2118
CMYK	0.15, 0.30, 0.00, 0.21
HSL	270°, 36%, 67%
HSV	270°, 30%, 79%
XYZ	36.8628, 31.9247, 59.4756
YIQ	156.8100, -1.3800, 25.0200

Conversions

Conversions Part 2

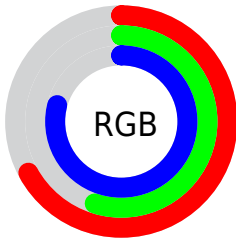
Format	Color
RYB	171, 141, 201
Decimal	11242953
CIELab	63.28, 22.90, -26.80
CIELCh	63, 35.253, 310.520
Yxy	31.9247, 0.2874, 0.2489
Android (android.graphics.Color)	4289433033 (0xFFAB8DC9)
YUV	156.8100, 21.7857, 12.4446
Hunter-Lab	56.5019, 17.5780, -22.8591

Details

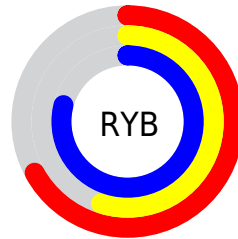
The Yxy color **31.9247, 0.2874, 0.2489** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **52.3523, 0.3322, 0.4093**, and the grayscale version is **33.5289, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5811, 0.2948, 0.2665**, and **13.4403, 0.2781, 0.2268** is the 20% darker color. If you saturate the color by 10%, you get **25.4409, 0.2764, 0.2194**, and if you desaturate by 10%, it is **39.5726, 0.2971, 0.2775**.

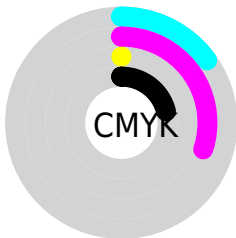
Distribution



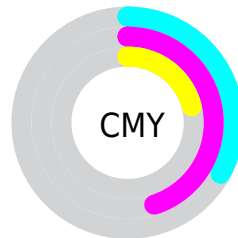
- Red (67%)
- Green (55%)
- Blue (79%)



- Red (67%)
- Yellow (55%)
- Blue (79%)



- Cyan (15%)
- Magenta (30%)
- Yellow (0%)
- Black (21%)



- Cyan (33%)
- Magenta (45%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.9247, 0.2874, 0.2489 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 31.9247, 0.2874, 0.2489 by changing the saturation by 10% instead.


 31.9247, 0.2874,
0.2489

 31.9247, 0.2874,
0.2489


310.7761, 0.3014,
0.2890

 21.3040, 0.2835,
0.2390


 62.6930, 0.2928,
0.2634

 13.3464, 0.2783,
0.2263


 83.6094, 0.2947,
0.2689

 7.6675, 0.2709,
0.2096


 108.7265, 0.2963,
0.2736

 3.8829, 0.2599,
0.1869

138.4287, 0.2977,
0.2775

 1.6083, 0.2421,
0.1545

173.1003, 0.2988,
0.2810

 0.3632, 0.2149,
0.0862

213.1259, 0.2998,

 0.0000, 0.0000,

0.2840

0.0000

258.8896, 0.3006,
0.2867

■ 31.9247, 0.2874,
0.2489

■ 31.9247, 0.2874,
0.2489

■ 25.4409, 0.2764,
0.2194

■ 39.5726, 0.2971,
0.2775

■ 20.0570, 0.2643,
0.1899

■ 48.4362, 0.3056,
0.3044

■ 15.7088, 0.2515,
0.1617

■ 58.5688, 0.3128,
0.3294

■ 12.3231, 0.2382,
0.1364

■ 70.0195, 0.3189,
0.3521

■ 9.8173, 0.2252,
0.1153

■ 82.8345, 0.3240,
0.3726

■ 8.0934, 0.2130,
0.0995

■ 92.7742, 0.3291,
0.3848

■ 6.9718, 0.2020,
0.0887

■ 94.4971, 0.3357,
0.3836

■ 6.9565, 0.2018,
0.0885

■ 96.3175, 0.3424,
0.3824

■ 96.9969, 0.3448,
0.3820

Harmonies

Analogous

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



31.9247, 0.2422, 0.2410



31.9247, 0.2874, 0.2489



31.9247, 0.3440, 0.2740

Triad

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



31.9247, 0.2874, 0.2489



31.9247, 0.4168, 0.3962



31.9247, 0.2346, 0.3402

Complementary

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



31.9247, 0.2874, 0.2489



52.3523, 0.3322, 0.4093

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.



31.9247, 0.2763, 0.3952



31.9247, 0.2874, 0.2489



31.9247, 0.3819, 0.4254

Square

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



31.9247, 0.2874, 0.2489



31.9247, 0.4227, 0.3546



31.9247, 0.3302, 0.4278



31.9247, 0.2140, 0.2876

Rectangle

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



31.9247, 0.2874, 0.2489



31.9247, 0.3801, 0.2979



31.9247, 0.3302, 0.4278



31.9247, 0.2464, 0.3594

Sweetspot

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



31.9260, 0.2874, 0.2489



84.1102, 0.3062, 0.3063



39.0055, 0.2654, 0.2868



17.4901, 0.3050, 0.3025



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.



31.9260, 0.2874, 0.2489



47.0573, 0.2802, 0.2293



35.6843, 0.3162, 0.2555



10.5437, 0.3060, 0.3057



4.4285, 0.2033, 0.0893



0.2528, 0.2263, 0.1020

Inverse Universe

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



34.4073, 0.3460, 0.2907



52.1332, 0.3562, 0.2818



49.3582, 0.3087, 0.4154



10.7239, 0.3213, 0.3175



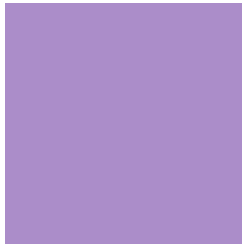
8.4104, 0.4940, 0.2495



0.4129, 0.4485, 0.2244

Previews

White Background



This preview shows how the Yxy color 31.9247, 0.2874, 0.2489 looks on a white background.

Color Contrast Check

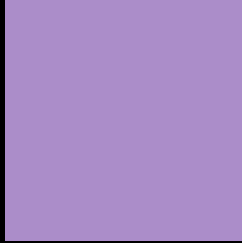
Large Text (above 18pt) WCAG AA × Fail

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 31.9247, 0.2874, 0.2489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

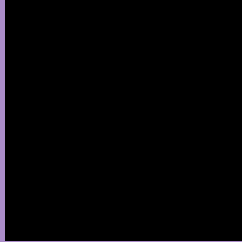
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.9247, 0.2874, 0.2489

Background



This preview shows how black text looks on a background with the Yxy color 31.9247, 0.2874, 0.2489.



This preview shows how white text looks on a background with the Yxy color 31.9247, 0.2874, 0.2489.

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

31.9247, 0.2874, 0.2489

Protanopia

32.0550, 0.2536, 0.2471

Deuteranopia

32.1860, 0.2660, 0.2605



Tritanopia

31.9606, 0.3166, 0.3114

Trichromacy



Original Color

31.9247, 0.2874, 0.2489

Protanomaly

31.7132, 0.2645, 0.2470

Deuteranomaly

31.9076, 0.2733, 0.2551

Tritanomaly

31.9078, 0.3057, 0.2864

Monochromacy



Original Color

31.9247, 0.2874, 0.2489

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

32.8317, 0.3034, 0.2973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9247, 0.2874, 0.2489 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(171, 141, 201)` looks like.

```
.text, #text, p{  
    color:rgb(171, 141, 201)  
}
```

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(171, 141, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 141, 201) }
```

Border

The CSS property to change the border of an element to Yxy 31.9247, 0.2874, 0.2489 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(171, 141, 201) }
```

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

```
.border{ border-color:rgb(171, 141, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 141, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 141, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 141, 201);  
box-shadow:4px 4px 4px 4px rgb(171, 141,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9247, 0.2874, 0.2489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 141, 201) }
```

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

```
.background{ background-color: rgb(171,  
141, 201) }
```

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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