

Converting Colors

$Y_{xy}(29.8698, 0.2842, 0.2401)$

Have a look what the booklet for
Yxy(29.8698, 0.2842, 0.2401)
contains.

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Color

Yxy(29.8698, 0.2842, 0.2401)

Conversions

Conversions Part 1

Format	Color
Hex	A887C9
RGB	168, 135, 201
RGB Percent	66%, 53%, 79%
CMY	0.3412, 0.4706, 0.2116
CMYK	0.16, 0.33, 0.00, 0.21
HSL	270°, 38%, 66%
HSV	270°, 33%, 79%
XYZ	35.3561, 29.8698, 59.1798
YIQ	152.3910, -1.5180, 27.5220

Conversions

Conversions Part 2

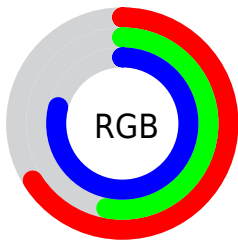
Format	Color
RYB	168, 135, 201
Decimal	11044809
CIELab	61.54, 25.36, -29.53
CIElCh	62, 38.923, 310.662
Yxy	29.8698, 0.2842, 0.2401
Android (android.graphics.Color)	4289234889 (0xFFA887C9)
YUV	152.3910, 23.9642, 13.6891
Hunter-Lab	54.6533, 19.8313, -25.9432

Details

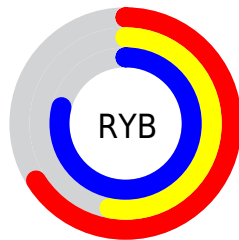
The Yxy color **29.8698, 0.2842, 0.2401** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **51.8675, 0.3340, 0.4181**, and the grayscale version is **31.4725, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4625, 0.2925, 0.2597**, and **12.2484, 0.2735, 0.2150** is the 20% darker color. If you saturate the color by 10%, you get **23.7191, 0.2729, 0.2104**, and if you desaturate by 10%, it is **37.1675, 0.2943, 0.2691**.

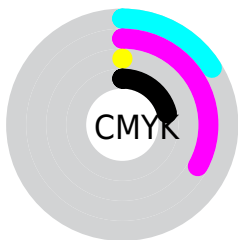
Distribution



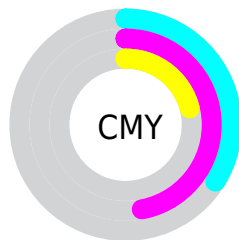
- Red (66%)
- Green (53%)
- Blue (79%)



- Red (66%)
- Yellow (53%)
- Blue (79%)



- Cyan (16%)
- Magenta (33%)
- Yellow (0%)
- Black (21%)





- Cyan (34%)
- Magenta (47%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8698, 0.2842, 0.2401 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 29.8698, 0.2842, 0.2401 by changing the saturation by 10% instead.


 29.8698, 0.2842,
0.2401

 29.8698, 0.2842,
0.2401


301.2971, 0.3001,
0.2847


 19.7398, 0.2797,
0.2290


 59.4562, 0.2904,
0.2563

 12.2060, 0.2736,
0.2150


 79.6814, 0.2926,
0.2624

 6.8842, 0.2651,
0.1965


 104.0404, 0.2944,
0.2675

 3.3898, 0.2522,
0.1714

132.9177, 0.2959,
0.2720

 1.3384, 0.2314,
0.1362

166.6976, 0.2972,
0.2758

 0.1707, 0.2025,
0.0442

205.7645, 0.2983,

 0.0000, 0.0000,

0.2791

0.0000

250.5029, 0.2993,
0.2821

■ 29.8698, 0.2842,
0.2401

■ 29.8698, 0.2842,
0.2401

■ 23.7191, 0.2729,
0.2104

■ 37.1675, 0.2943,
0.2691

■ 18.6501, 0.2605,
0.1812

■ 45.6654, 0.3032,
0.2966

■ 14.5963, 0.2474,
0.1537

■ 55.4179, 0.3108,
0.3221

■ 11.4820, 0.2342,
0.1295

■ 66.4747, 0.3172,
0.3455

■ 9.2205, 0.2213,
0.1099

■ 78.8830, 0.3226,
0.3667

7.7080, 0.2095,
0.0958

92.2899, 0.3272,
0.3851

6.9526, 0.2017,
0.0885

93.9868, 0.3338,
0.3839

95.7811, 0.3404,
0.3828

96.9986, 0.3448,
0.3820

Harmonies

Analogous

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



29.8698, 0.2340, 0.2310



29.8698, 0.2842, 0.2401



29.8698, 0.3480, 0.2678

Triad

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



29.8698, 0.2842, 0.2401



29.8698, 0.4293, 0.4032



29.8698, 0.2249, 0.3408

Complementary

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



29.8698, 0.2842, 0.2401



51.8675, 0.3340, 0.4181

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.



29.8698, 0.2710, 0.4043



29.8698, 0.2842, 0.2401



29.8698, 0.3894, 0.4374

Square

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



29.8698, 0.2842, 0.2401



29.8698, 0.4369, 0.3566



29.8698, 0.3312, 0.4415



29.8698, 0.2027, 0.2814

Rectangle

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



29.8698, 0.2842, 0.2401



29.8698, 0.3890, 0.2941



29.8698, 0.3312, 0.4415



29.8698, 0.2379, 0.3629

Sweetspot

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



29.8710, 0.2842, 0.2401



82.4554, 0.3054, 0.3037



37.7896, 0.2607, 0.2835



17.1598, 0.3042, 0.3000



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.



29.8710, 0.2842, 0.2401



43.8585, 0.2767, 0.2202



33.8173, 0.3154, 0.2480



10.5434, 0.3059, 0.3057



4.4244, 0.2031, 0.0893



0.2526, 0.2262, 0.1020

Inverse Universe

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



32.5796, 0.3504, 0.2866



49.3093, 0.3612, 0.2778



48.7806, 0.3090, 0.4253



10.7240, 0.3213, 0.3175



8.4118, 0.4938, 0.2494



0.4129, 0.4483, 0.2243

Previews

White Background



This preview shows how the Yxy color 29.8698, 0.2842, 0.2401 looks on a white background.

Color Contrast Check

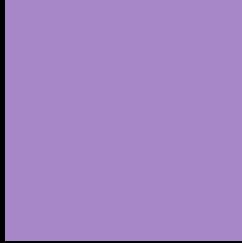
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8698, 0.2842, 0.2401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

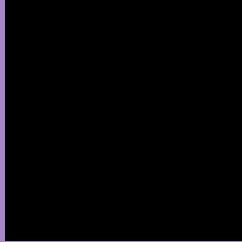
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8698, 0.2842, 0.2401

Background



This preview shows how black text looks on a background with the Yxy color 29.8698, 0.2842, 0.2401.



This preview shows how white text looks on a background with the Yxy color 29.8698, 0.2842, 0.2401.

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

29.8698, 0.2842, 0.2401

Protanopia

30.1877, 0.2461, 0.2387

Deuteranopia

30.2252, 0.2588, 0.2532



Tritanopia

29.7867, 0.3187, 0.3125

Trichromacy



Original Color

29.8698, 0.2842, 0.2401

Protanomaly

29.9896, 0.2582, 0.2389

Deuteranomaly

30.1110, 0.2676, 0.2482

Tritanomaly

29.8148, 0.3055, 0.2840

Monochromacy



Original Color

29.8698, 0.2842, 0.2401

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

30.7291, 0.3023, 0.2936

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8698, 0.2842, 0.2401 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(168, 135, 201)` looks like.

```
.text, #text, p{  
    color:rgb(168, 135, 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(168, 135, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 135, 201) }
```

Border

The CSS property to change the border of an element to Yxy 29.8698, 0.2842, 0.2401 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(168, 135, 201) }
```

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

```
.border{ border-color:rgb(168, 135, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 135, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 135, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 135, 201);  
box-shadow:4px 4px 4px 4px rgb(168, 135,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8698, 0.2842, 0.2401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 135, 201) }
```

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

```
.background{ background-color: rgb(168,  
135, 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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