

Converting Colors

$Y_{xy}(29.9160, 0.3371, 0.2781)$

Have a look what the booklet for
Yxy(29.9160, 0.3371, 0.2781)
contains.

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Color

Yxy(29.9160, 0.3371, 0.2781)

Conversions

Conversions Part 1

Format	Color
Hex	BD83A9
RGB	189, 131, 169
RGB Percent	74%, 51%, 66%
CMY	0.2588, 0.4862, 0.3373
CMYK	0.00, 0.31, 0.11, 0.26
HSL	321°, 31%, 63%
HSV	321°, 31%, 74%
XYZ	36.2628, 29.9160, 41.3940
YIQ	152.6740, 22.3700, 24.1140

Conversions

Conversions Part 2

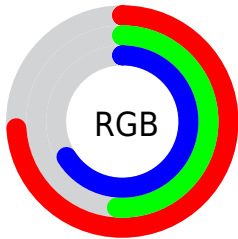
Format	Color
RYB	189, 131, 169
Decimal	12420009
CIELab	61.58, 28.24, -11.12
CIElCh	62, 30.350, 338.500
Yxy	29.9160, 0.3371, 0.2781
Android (android.graphics.Color)	4290610089 (0xFFBD83A9)
YUV	152.6740, 8.0487, 31.8579
Hunter-Lab	54.6955, 22.6272, -6.5843

Details

The Yxy color **29.9160, 0.3371, 0.2781** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **43.4553, 0.2946, 0.3862**, and the grayscale version is **31.6640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.6726, 0.3326, 0.2884**, and **12.3201, 0.3448, 0.2631** is the 20% darker color. If you saturate the color by 10%, you get **25.0560, 0.3478, 0.2613**, and if you desaturate by 10%, it is **35.7169, 0.3278, 0.2952**.

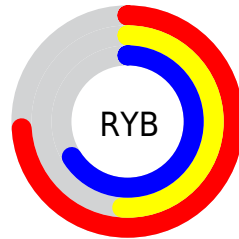
Distribution



Red (74%)

Green (51%)

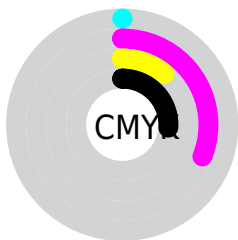
Blue (66%)



Red (74%)

Yellow (51%)

Blue (66%)

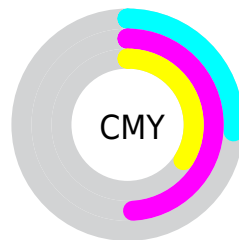


Cyan (0%)

Magenta (31%)

Yellow (11%)

Black (26%)



Cyan (26%)


Magenta (49%)


Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9160, 0.3371, 0.2781 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 29.9160, 0.3371, 0.2781 by changing the saturation by 10% instead.


 29.9160, 0.3371,
0.2781

 29.9160, 0.3371,
0.2781


301.5127, 0.3245,
0.3043


 19.7748, 0.3404,
0.2713


 59.5293, 0.3324,
0.2878

 12.2315, 0.3446,
0.2624


 79.7703, 0.3307,
0.2914

 6.9015, 0.3504,
0.2504


 104.1466, 0.3293,
0.2944

 3.4006, 0.3587,
0.2331

133.0427, 0.3280,
0.2970

 1.3443, 0.3717,
0.2063

166.8429, 0.3270,
0.2992

 0.1751, 0.4281,
0.0876

205.9318, 0.3261,

 0.0000, 0.0000,

0.3011

0.0000

250.6936, 0.3252,
0.3028

■ 29.9160, 0.3371,
0.2781

■ 29.9160, 0.3371,
0.2781

■ 25.0560, 0.3478,
0.2613

■ 35.7169, 0.3278,
0.2952

■ 21.0824, 0.3600,
0.2455

■ 42.5015, 0.3199,
0.3119

■ 17.9410, 0.3735,
0.2318

■ 50.3146, 0.3131,
0.3279

■ 15.5703, 0.3881,
0.2211


■ 59.1973, 0.3075,
0.3430

■ 13.8999, 0.4032,
0.2147

■ 69.1884, 0.3028,
0.3571

 12.8467, 0.4183,
0.2131

 80.3245, 0.2989,
0.3701

 12.2686, 0.4322,
0.2154

 87.2263, 0.2954,
0.3737

 87.5675, 0.2920,
0.3662

 87.9222, 0.2885,
0.3588

Harmonies

Analogous

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



29.9160, 0.2875, 0.2565



29.9160, 0.3371, 0.2781



29.9160, 0.3828, 0.3112

Triad

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



29.9160, 0.3371, 0.2781



29.9160, 0.3770, 0.4131



29.9160, 0.2254, 0.2958

Complementary

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



29.9160, 0.3371, 0.2781



43.4553, 0.2946, 0.3862

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.



29.9160, 0.2456, 0.3426



29.9160, 0.3371, 0.2781



29.9160, 0.3321, 0.4160

Square

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



29.9160, 0.3371, 0.2781



29.9160, 0.4059, 0.3871



29.9160, 0.2840, 0.3893



29.9160, 0.2264, 0.2636

Rectangle

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



29.9160, 0.3371, 0.2781



29.9160, 0.4031, 0.3369



29.9160, 0.2840, 0.3893



29.9160, 0.2298, 0.3103

Sweetspot

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



29.9174, 0.3371, 0.2781



78.1540, 0.3187, 0.3144



26.4247, 0.2772, 0.2446



16.3926, 0.3198, 0.3120



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



29.9174, 0.3371, 0.2781



47.3938, 0.3444, 0.2664



28.9665, 0.3694, 0.3158



9.6388, 0.3189, 0.3141



8.2696, 0.4303, 0.2144



0.3358, 0.3979, 0.1966

Inverse Universe

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



29.9174, 0.3371, 0.2781



47.3938, 0.3444, 0.2664



44.4886, 0.2754, 0.3429



9.6388, 0.3189, 0.3141



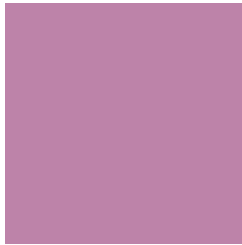
8.2696, 0.4303, 0.2144



0.3358, 0.3979, 0.1966

Previews

White Background



This preview shows how the Yxy color 29.9160, 0.3371, 0.2781 looks on a white background.

Color Contrast Check

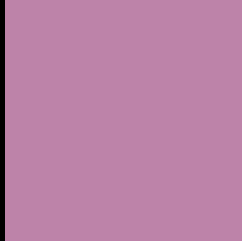
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9160, 0.3371, 0.2781 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

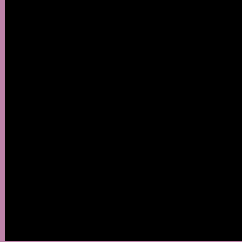
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9160, 0.3371, 0.2781

Background



This preview shows how black text looks on a background with the Yxy color 29.9160, 0.3371, 0.2781.



This preview shows how white text looks on a background with the Yxy color 29.9160, 0.3371, 0.2781.

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

29.9160, 0.3371, 0.2781

Protanopia

30.2259, 0.2785, 0.2808

Deuteranopia

29.9725, 0.3030, 0.2975



Tritanopia

29.8424, 0.3586, 0.3138

Trichromacy



Original Color

29.9160, 0.3371, 0.2781

Protanomaly

29.8515, 0.2978, 0.2795

Deuteranomaly

29.7617, 0.3145, 0.2899

Tritanomaly

29.9481, 0.3509, 0.3015

Monochromacy



Original Color

29.9160, 0.3371, 0.2781

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

30.8610, 0.3210, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9160, 0.3371, 0.2781 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(189, 131, 169)` looks like.

```
.text, #text, p{  
    color:rgb(189, 131, 169)  
}
```

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(189, 131, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 131, 169) }
```

Border

The CSS property to change the border of an element to Yxy 29.9160, 0.3371, 0.2781 is called "border". The border property can be set on classes, ids or directly on the HTML element.

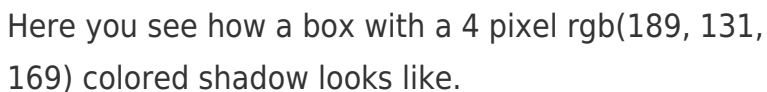
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(189, 131, 169) }
```

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

```
.border{ border-color:rgb(189, 131, 169) }
```

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



Here you see how a box with a 4 pixel `rgb(189, 131, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 131, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 131, 169);  
box-shadow:4px 4px 4px 4px rgb(189, 131,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9160, 0.3371, 0.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 131, 169) }
```

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

```
.background{ background-color: rgb(189,  
131, 169) }
```

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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