

Converting Colors

$Y_{xy}(30.4025, 0.3135, 0.2586)$

Have a look what the booklet for
Yxy(30.4025, 0.3135, 0.2586)
contains.

Yxy(30.3875, 0.3129, 0.2585)	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(30.3875, 0.3129, 0.2585)

Conversions

Conversions Part 1

Format	Color
Hex	B785BA
RGB	183, 133, 186
RGB Percent	72%, 52%, 73%
CMY	0.2823, 0.4784, 0.2706
CMYK	0.02, 0.28, 0.00, 0.27
HSL	297°, 28%, 63%
HSV	297°, 28%, 73%
XYZ	36.7824, 30.3875, 50.3833
YIQ	153.9920, 12.7870, 27.0830

Conversions

Conversions Part 2

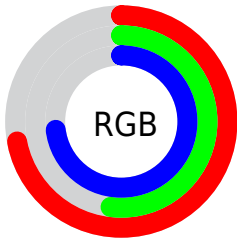
Format	Color
R_{YB}	183, 133, 186
Decimal	12027322
CIE _{Lab}	61.99, 28.21, -20.23
CIE _{LCh}	62, 34.719, 324.355
Yxy	30.3875, 0.3129, 0.2585
Android (android.graphics.Color)	4290217402 (0xFFB785BA)
YUV	153.9920, 15.7799, 25.4400
Hunter-Lab	55.1249, 22.6367, -15.6028

Details

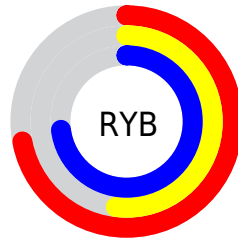
The Yxy color $30.3875, 0.3129, 0.2585$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $42.0458, 0.3113, 0.4098$, and the grayscale version is $32.2376, 0.3127, 0.3290$.

A 20% lighter version of the original color is $60.4767, 0.3138, 0.2722$, and $12.5471, 0.3110, 0.2382$ is the 20% darker color. If you saturate the color by 10%, you get $25.6109, 0.3127, 0.2341$, and if you desaturate by 10%, it is $36.0695, 0.3130, 0.2836$.

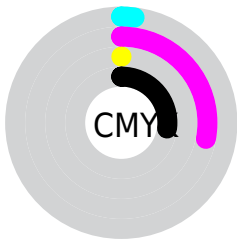
Distribution



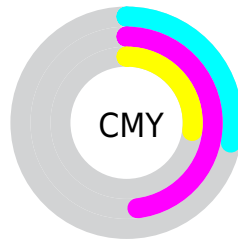
- Red (72%)
- Green (52%)
- Blue (73%)



- Red (72%)
- Yellow (52%)
- Blue (73%)



- Cyan (2%)
- Magenta (28%)
- Yellow (0%)
- Black (27%)





- Cyan (28%)
- Magenta (48%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.3875, 0.3129, 0.2585 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 30.3875, 0.3129, 0.2585 by changing the saturation by 10% instead.

 30.3875, 0.3129,
0.2585


 30.3875, 0.3129,
0.2585


303.7065, 0.3136,
0.2942

 20.1329, 0.3125,
0.2495


 60.2744, 0.3133,
0.2715

 12.4917, 0.3117,
0.2379


 80.6756, 0.3135,
0.2764

 7.0795, 0.3104,
0.2225


 105.2277, 0.3135,
0.2805

 3.5118, 0.3079,
0.2011

134.3152, 0.3136,
0.2840

 1.4044, 0.3027,
0.1695

168.3224, 0.3136,
0.2871

 0.2200, 0.3047,
0.0746

207.6337, 0.3136,

 0.0000, 0.0000,

0.2898

0.0000

252.6337, 0.3136,
0.2921

■ 30.3875, 0.3129,
0.2585

■ 30.3875, 0.3129,
0.2585

■ 25.6109, 0.3127,
0.2341

■ 36.0695, 0.3130,
0.2836

■ 21.6882, 0.3122,
0.2112

■ 42.6970, 0.3129,
0.3085

■ 18.5688, 0.3115,
0.1908


■ 50.3126, 0.3127,
0.3325

■ 16.1950, 0.3107,
0.1737


■ 58.9551, 0.3124,
0.3554

■ 14.5016, 0.3096,
0.1607


■ 68.6610, 0.3120,
0.3768


 13.4121, 0.3084,
0.1520


 79.4652, 0.3116,
0.3965

 12.7995, 0.3070,
0.1470

 86.0579, 0.3117,
0.4067

 12.7207, 0.3068,
0.1464

 86.1937, 0.3123,
0.4066

 86.3303, 0.3129,
0.4064

Harmonies

Analogous

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



30.3875, 0.2609, 0.2422



30.3875, 0.3129, 0.2585



30.3875, 0.3696, 0.2900

Triad

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



30.3875, 0.3129, 0.2585



30.3875, 0.4038, 0.4121



30.3875, 0.2221, 0.3143

Complementary

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



30.3875, 0.3129, 0.2585



42.0458, 0.3113, 0.4098

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.



30.3875, 0.2548, 0.3711



30.3875, 0.3129, 0.2585



30.3875, 0.3594, 0.4308

Square

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



30.3875, 0.3129, 0.2585



30.3875, 0.4242, 0.3746



30.3875, 0.3047, 0.4170



30.3875, 0.2123, 0.2690

Rectangle

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



30.3875, 0.3129, 0.2585



30.3875, 0.4006, 0.3166



30.3875, 0.3047, 0.4170



30.3875, 0.2306, 0.3328

Sweetspot

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



30.3888, 0.3129, 0.2585



76.5521, 0.3129, 0.3069



26.2894, 0.2641, 0.2533



16.4502, 0.3129, 0.3032



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.



30.3888, 0.3129, 0.2585



49.6375, 0.3128, 0.2436



29.8591, 0.3400, 0.2880



9.1363, 0.3129, 0.3064



8.5687, 0.3070, 0.1465



0.3099, 0.3108, 0.1486

Inverse Universe

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



28.9905, 0.3708, 0.3250



46.7226, 0.3885, 0.3241



42.5051, 0.2925, 0.3741



9.0202, 0.3279, 0.3278



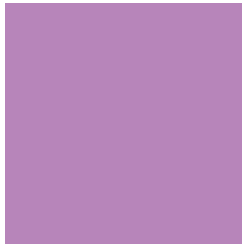
7.0423, 0.6328, 0.3260



0.2510, 0.6051, 0.3107

Previews

White Background



This preview shows how the Yxy color 30.3875, 0.3129, 0.2585 looks on a white background.

Color Contrast Check

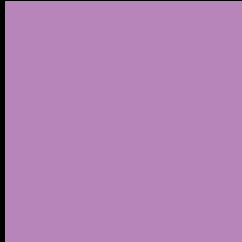
Large Text (above 18pt) WCAG AA × Fail

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 30.3875, 0.3129, 0.2585 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

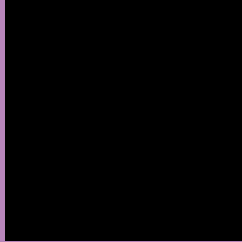
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.3875, 0.3129, 0.2585

Background



This preview shows how black text looks on a background with the Yxy color 30.3875, 0.3129, 0.2585.



This preview shows how white text looks on a background with the Yxy color 30.3875, 0.3129, 0.2585.

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

30.3875, 0.3129, 0.2585

Protanopia

30.5294, 0.2613, 0.2574

Deuteranopia

30.5822, 0.2814, 0.2759



Tritanopia

30.4555, 0.3429, 0.3134

Trichromacy



Original Color

30.3875, 0.3129, 0.2585

Protanomaly

30.3652, 0.2784, 0.2579

Deuteranomaly

30.3838, 0.2926, 0.2692

Tritanomaly

30.2750, 0.3318, 0.2914

Monochromacy



Original Color

30.3875, 0.3129, 0.2585

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.3103, 0.3131, 0.2999

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.3875, 0.3129, 0.2585 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(183, 133, 186)` looks like.

```
.text, #text, p{  
    color:rgb(183, 133, 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(183, 133, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 133, 186) }
```

Border

The CSS property to change the border of an element to Yxy 30.3875, 0.3129, 0.2585 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(183, 133, 186) }
```

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

```
.border{ border-color:rgb(183, 133, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 133, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 133, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 133, 186);  
box-shadow:4px 4px 4px 4px rgb(183, 133,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 30.3875, 0.3129, 0.2585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 133, 186) }
```

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

```
.background{ background-color: rgb(183,  
133, 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