

Converting Colors

$Yxy(38.3617, 0.3081, 0.2823)$

Have a look what the booklet for
Yxy(38.3617, 0.3081, 0.2823)
contains.

Yxy(38.4033, 0.3083, 0.2824)	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(38.4033, 0.3083, 0.2824)

Conversions

Conversions Part 1

Format	Color
Hex	BA9DC1
RGB	186, 157, 193
RGB Percent	73%, 62%, 76%
CMY	0.2708, 0.3842, 0.2431
CMYK	0.04, 0.19, 0.00, 0.24
HSL	288°, 22%, 69%
HSV	288°, 19%, 76%
XYZ	41.9254, 38.4033, 55.6603
YIQ	169.7750, 5.7280, 17.3440

Conversions

Conversions Part 2

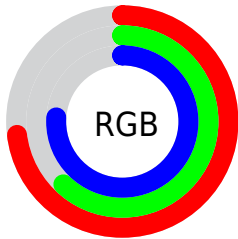
Format	Color
RYB	186, 157, 193
Decimal	12230081
CIELab	68.32, 17.18, -14.54
CIElCh	68, 22.507, 319.750
Yxy	38.4033, 0.3083, 0.2824
Android (android.graphics.Color)	4290420161 (0xFFBA9DC1)
YUV	169.7750, 11.4499, 14.2293
Hunter-Lab	61.9704, 12.3141, -9.8736

Details

The Yxy color **38.4033, 0.3083, 0.2824** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.4794, 0.3160, 0.3785**, and the grayscale version is **40.0197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.8038, 0.3095, 0.2916**, and **17.1587, 0.3076, 0.2708** is the 20% darker color. If you saturate the color by 10%, you get **31.9135, 0.3052, 0.2563**, and if you desaturate by 10%, it is **45.9407, 0.3109, 0.3079**.

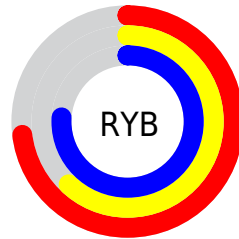
Distribution



Red (73%)

Green (62%)

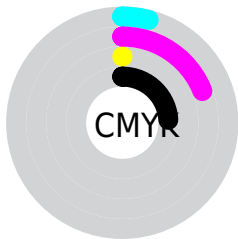
Blue (76%)



Red (73%)

Yellow (62%)

Blue (76%)

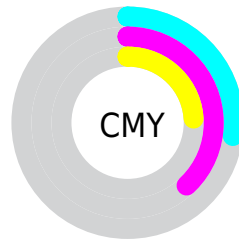


Cyan (4%)

Magenta (19%)

Yellow (0%)

Black (24%)



Cyan (27%)


Magenta (38%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.4033, 0.3083, 0.2824 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 38.4033, 0.3083, 0.2824 by changing the saturation by 10% instead.


 38.4033, 0.3083,
0.2824


 38.4033, 0.3083,
0.2824

339.3469, 0.3109,
0.3056

 26.2959, 0.3075,
0.2766


 72.7259, 0.3093,
0.2908

 17.0451, 0.3065,
0.2692


 95.7098, 0.3097,
0.2940

 10.2667, 0.3050,
0.2595


123.0880, 0.3100,
0.2967

 5.5761, 0.3026,
0.2459

155.2448, 0.3102,
0.2990

 2.5891, 0.2985,
0.2259

192.5648, 0.3104,
0.3010

 0.9212, 0.2905,
0.1938

235.4321, 0.3106,

 0.0000, 0.2294,

0.3027

0.0000

284.2314, 0.3108,
0.3043

■ 0.0000, 0.0000,
0.0000

■ 38.4033, 0.3083,
0.2824

■ 38.4033, 0.3083,
0.2824

■ 31.9135, 0.3052,
0.2563

■ 45.9407, 0.3109,
0.3079

■ 26.4178, 0.3016,
0.2302

■ 54.5659, 0.3130,
0.3322

■ 21.8657, 0.2974,
0.2052

■ 64.3231, 0.3146,
0.3550

■ 18.2001, 0.2928,
0.1822

■ 75.2526, 0.3159,
0.3760

■ 15.3576, 0.2878,
0.1624

■ 87.3926, 0.3169,
0.3953

■ 13.2664, 0.2827,
0.1466

■ 88.8747, 0.3191,
0.3962

■ 11.8421, 0.2774,
0.1352

■ 89.4316, 0.3215,
0.3957

■ 10.9461, 0.2723,
0.1279

■ 90.0018, 0.3240,
0.3952

■ 10.8386, 0.2716,
0.1270

■ 90.5851, 0.3264,
0.3947

Harmonies

Analogous

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



38.4033, 0.2772, 0.2741



38.4033, 0.3083, 0.2824



38.4033, 0.3423, 0.3015

Triad

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



38.4033, 0.3083, 0.2824



38.4033, 0.3713, 0.3780



38.4033, 0.2592, 0.3265

Complementary

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



38.4033, 0.3083, 0.2824



48.4794, 0.3160, 0.3785

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.



38.4033, 0.2823, 0.3586



38.4033, 0.3083, 0.2824



38.4033, 0.3470, 0.3890

Square

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



38.4033, 0.3083, 0.2824



38.4033, 0.3797, 0.3551



38.4033, 0.3143, 0.3823



38.4033, 0.2500, 0.2973

Rectangle

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



38.4033, 0.3083, 0.2824



38.4033, 0.3615, 0.3184



38.4033, 0.3143, 0.3823



38.4033, 0.2655, 0.3374

Sweetspot

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



38.4050, 0.3083, 0.2824



86.0260, 0.3115, 0.3142



37.6494, 0.2828, 0.2890



18.2456, 0.3113, 0.3126



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



38.4050, 0.3083, 0.2824



64.2642, 0.3072, 0.2728



38.8453, 0.3246, 0.2965



10.1446, 0.3107, 0.3061



7.2417, 0.2723, 0.1274



0.3390, 0.2837, 0.1337

Inverse Universe

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



38.1420, 0.3418, 0.3198



63.7421, 0.3490, 0.3178



48.1347, 0.3026, 0.3638



10.1094, 0.3259, 0.3245



7.6422, 0.6063, 0.3114



0.3400, 0.5452, 0.2777

Previews

White Background



This preview shows how the Yxy color 38.4033, 0.3083, 0.2824 looks on a white background.

Color Contrast Check

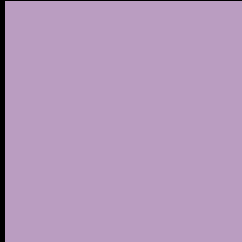
Large Text (above 18pt) WCAG AA × Fail

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 38.4033, 0.3083, 0.2824 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

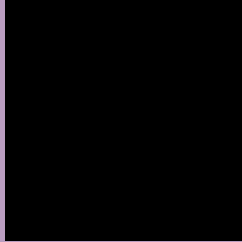
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.4033, 0.3083, 0.2824

Background



This preview shows how black text looks on a background with the Yxy color 38.4033, 0.3083, 0.2824.



This preview shows how white text looks on a background with the Yxy color 38.4033, 0.3083, 0.2824.

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

38.4033, 0.3083, 0.2824

Protanopia

38.4611, 0.2816, 0.2840

Deuteranopia

38.6581, 0.2956, 0.2900



Tritanopia

38.5741, 0.3230, 0.3129

Trichromacy



Original Color

38.4033, 0.3083, 0.2824

Protanomaly

38.2612, 0.2906, 0.2833

Deuteranomaly

38.5256, 0.3000, 0.2878

Tritanomaly

38.6272, 0.3177, 0.3025

Monochromacy



Original Color

38.4033, 0.3083, 0.2824

Achromatopsia

40.1978, 0.3127, 0.3290

Achromatomaly

39.3547, 0.3117, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.4033, 0.3083, 0.2824 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(186, 157, 193)` looks like.

```
.text, #text, p{  
    color:rgb(186, 157, 193)  
}
```

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(186, 157, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 157, 193) }
```

Border

The CSS property to change the border of an element to Yxy 38.4033, 0.3083, 0.2824 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(186, 157, 193) }
```

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

```
.border{ border-color:rgb(186, 157, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 157, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 157, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 157, 193);  
box-shadow:4px 4px 4px 4px rgb(186, 157,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 38.4033, 0.3083, 0.2824 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 157, 193) }
```

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

```
.background{ background-color: rgb(186,  
157, 193) }
```

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