

Converting Colors

$Y_{xy}(49.1907, 0.3045, 0.3122)$

Have a look what the booklet for
Yxy(49.1907, 0.3045, 0.3122)
contains.

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Color

Yxy(49.3399, 0.3044, 0.3127)

Conversions

Conversions Part 1

Format	Color
Hex	BBB9C6
RGB	187, 185, 198
RGB Percent	73%, 73%, 78%
CMY	0.2668, 0.2745, 0.2235
CMYK	0.06, 0.07, 0.00, 0.22
HSL	249°, 10%, 75%
HSV	249°, 7%, 78%
XYZ	48.0303, 49.3399, 60.4165
YIQ	187.0800, -2.9810, 4.4670

Conversions

Conversions Part 2

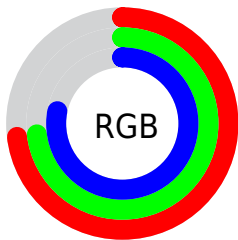
Format	Color
RYB	187, 185, 198
Decimal	12302790
CIELab	75.66, 3.16, -6.31
CIELCh	76, 7.056, 296.605
Yxy	49.3399, 0.3044, 0.3127
Android (android.graphics.Color)	4290492870 (0xFFBBB9C6)
YUV	187.0800, 5.3836, -0.0702
Hunter-Lab	70.2424, -0.8695, -1.8266

Details

The Yxy color $49.3399, 0.3044, 0.3127$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $55.6316, 0.3207, 0.3449$, and the grayscale version is $49.7109, 0.3127, 0.3290$.

A 20% lighter version of the original color is $89.1853, 0.3056, 0.3152$, and $23.5845, 0.3025, 0.3086$ is the 20% darker color. If you saturate the color by 10%, you get $39.6287, 0.2902, 0.2853$, and if you desaturate by 10%, it is $60.4571, 0.3168, 0.3370$.

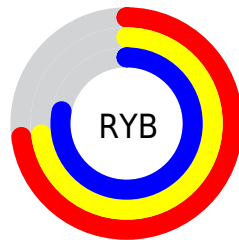
Distribution



Red (73%)

Green (73%)

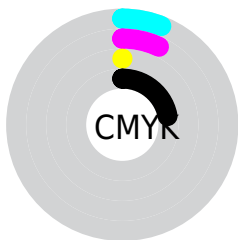
Blue (78%)



Red (73%)

Yellow (73%)

Blue (78%)

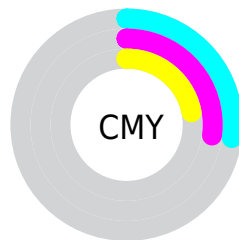


Cyan (6%)

Magenta (7%)

Yellow (0%)

Black (22%)



Cyan (27%)

Magenta (27%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.3399, 0.3044, 0.3127 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 49.3399, 0.3044, 0.3127 by changing the saturation by 10% instead.

■ 49.3399, 0.3044,
0.3127

■ 49.3399, 0.3044,
0.3127

384.0789, 0.3085,
0.3207

■ 34.8892, 0.3034,
0.3107

■ 89.1961, 0.3059,
0.3156

■ 23.5775, 0.3021,
0.3082

115.3703, 0.3065,
0.3167

■ 15.0205, 0.3003,
0.3050

146.2212, 0.3069,
0.3176

■ 8.8338, 0.2979,
0.3004

182.1331, 0.3074,
0.3184

■ 4.6329, 0.2943,
0.2938

223.4904, 0.3077,
0.3191

■ 2.0335, 0.2884,
0.2833

270.6776, 0.3080,

■ 0.6269, 0.2767,

0.3197

0.2577

324.0789, 0.3083,
0.3202

0.0000, 0.0000,
0.0000

49.3399, 0.3044,
0.3127

49.3399, 0.3044,
0.3127

39.6287, 0.2902,
0.2853

60.4571, 0.3168,
0.3370

31.2614, 0.2741,
0.2551

73.0267, 0.3274,
0.3584

24.1802, 0.2563,
0.2225

87.1009, 0.3365,
0.3771

18.3210, 0.2372,
0.1887

96.7081, 0.3461,
0.3851

13.6141, 0.2177,
0.1551

96.8571, 0.3466,
0.3850

■ 9.9826, 0.1988,
0.1240

■ 7.3401, 0.1819,
0.0977

■ 5.5868, 0.1681,
0.0782

■ 4.5946, 0.1585,
0.0663

Harmonies

Analogous

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



49.3399, 0.2972, 0.3136



49.3399, 0.3044, 0.3127



49.3399, 0.3140, 0.3160

Triad

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



49.3399, 0.3044, 0.3127



49.3399, 0.3318, 0.3389



49.3399, 0.3021, 0.3355

Complementary

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



49.3399, 0.3044, 0.3127



55.6316, 0.3207, 0.3449

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.



49.3399, 0.3113, 0.3426



49.3399, 0.3044, 0.3127



49.3399, 0.3284, 0.3445

Square

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



49.3399, 0.3044, 0.3127



49.3399, 0.3299, 0.3310



49.3399, 0.3209, 0.3459



49.3399, 0.2959, 0.3267

Rectangle

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



49.3399, 0.3044, 0.3127



49.3399, 0.3204, 0.3201



49.3399, 0.3209, 0.3459



49.3399, 0.3049, 0.3382

Sweetspot

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



49.3420, 0.3044, 0.3127



95.9771, 0.3102, 0.3241



53.8958, 0.3027, 0.3266



20.5852, 0.3104, 0.3243



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.



49.3420, 0.3044, 0.3127



84.5298, 0.3023, 0.3086



50.1776, 0.3097, 0.3130



10.3631, 0.3006, 0.3053



2.8537, 0.1567, 0.0637



0.1603, 0.1735, 0.0730

Inverse Universe

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



50.6961, 0.3150, 0.3155



87.4710, 0.3156, 0.3123



54.7811, 0.3155, 0.3452



10.7880, 0.3160, 0.3096



9.6587, 0.3627, 0.1772



0.4650, 0.3527, 0.1717

Previews

White Background



This preview shows how the Yxy color 49.3399, 0.3044, 0.3127 looks on a white background.

Color Contrast Check

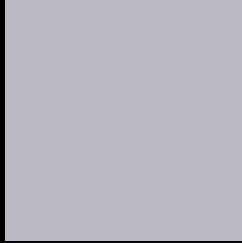
Large Text (above 18pt) WCAG AA × Fail

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 49.3399, 0.3044, 0.3127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

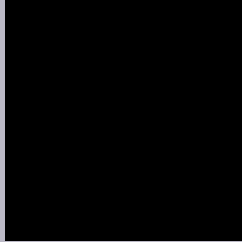
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.3399, 0.3044, 0.3127

Background



This preview shows how black text looks on a background with the Yxy color 49.3399, 0.3044, 0.3127.

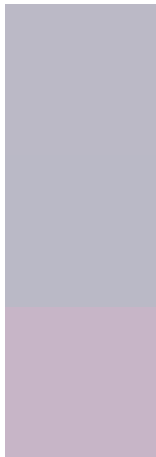


This preview shows how white text looks on a background with the Yxy color 49.3399, 0.3044, 0.3127.

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

49.3399, 0.3044, 0.3127

Protanopia

49.2142, 0.3036, 0.3126

Deuteranopia

49.3134, 0.3137, 0.3071



Tritanopia

49.3862, 0.3037, 0.3115

Trichromacy



Original Color

49.3399, 0.3044, 0.3127

Protanomaly

49.2142, 0.3036, 0.3126

Deuteranomaly

49.1815, 0.3103, 0.3081

Tritanomaly

49.3862, 0.3037, 0.3115

Monochromacy



Original Color

49.3399, 0.3044, 0.3127

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.4442, 0.3097, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.3399, 0.3044, 0.3127 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(187, 185, 198)` looks like.

```
.text, #text, p{  
    color:rgb(187, 185, 198)  
}
```

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(187, 185, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 185, 198) }
```

Border

The CSS property to change the border of an element to Yxy 49.3399, 0.3044, 0.3127 is called "border". The border property can be set on classes, ids or directly on the HTML element.

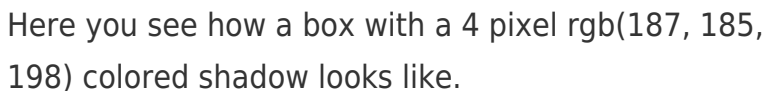
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 185, 198) }
```

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

```
.border{ border-color:rgb(187, 185, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(187, 185, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 185, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 185, 198);  
box-shadow:4px 4px 4px 4px rgb(187, 185,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 49.3399, 0.3044, 0.3127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 185, 198) }
```

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

```
.background{ background-color: rgb(187,  
185, 198) }
```

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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