

Converting Colors

$Yxy(42.9193, 0.3321, 0.3376)$

Have a look what the booklet for
Yxy(42.9193, 0.3321, 0.3376)
contains.

Yxy(42.8230, 0.3315, 0.3370)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.8230, 0.3315, 0.3370)

Conversions

Conversions Part 1

Format	Color
Hex	BBACA6
RGB	187, 172, 166
RGB Percent	73%, 67%, 65%
CMY	0.2668, 0.3254, 0.3490
CMYK	0.00, 0.08, 0.11, 0.27
HSL	17°, 13%, 69%
HSV	17°, 11%, 73%
XYZ	42.1241, 42.8230, 42.1241
YIQ	175.8010, 10.8660, 1.3140

Conversions

Conversions Part 2

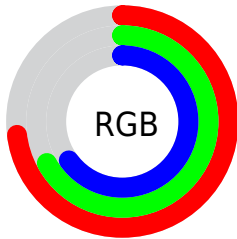
Format	Color
RYB	187, 174, 166
Decimal	12299430
CIELab	71.43, 4.34, 5.02
CIELCh	71, 6.634, 49.149
Yxy	42.8230, 0.3315, 0.3370
Android (android.graphics.Color)	4290489510 (0xFFBBACA6)
YUV	175.8010, -4.8319, 9.8215
Hunter-Lab	65.4393, 0.3840, 7.6418

Details

The Yxy color **42.8230, 0.3315, 0.3370** is a light color, and the websafe version is hex **999999**. A complement of this color would be **44.7276, 0.2956, 0.3209**, and the grayscale version is **43.3279, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.2133, 0.3279, 0.3352**, and **19.7162, 0.3377, 0.3400** is the 20% darker color. If you saturate the color by 10%, you get **37.3618, 0.3516, 0.3446**, and if you desaturate by 10%, it is **48.8975, 0.3146, 0.3298**.

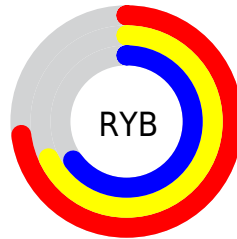
Distribution



Red (73%)

Green (67%)

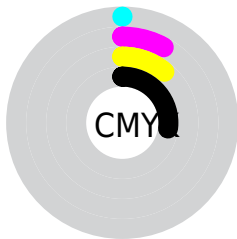
Blue (65%)



Red (73%)

Yellow (68%)

Blue (65%)

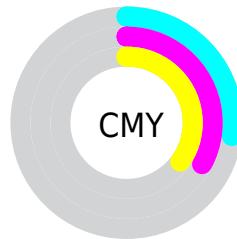


Cyan (0%)

Magenta (8%)

Yellow (11%)

Black (27%)



Cyan (27%)


Magenta (33%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.8230, 0.3315, 0.3370 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 42.8230, 0.3315, 0.3370 by changing the saturation by 10% instead.

 42.8230, 0.3315,
0.3370

 42.8230, 0.3315,
0.3370


357.8834, 0.3219,
0.3330

 29.7463, 0.3339,
0.3380


 79.4437, 0.3280,
0.3356

 19.6461, 0.3371,
0.3393


 103.7564, 0.3267,
0.3350

 12.1380, 0.3414,
0.3410


132.5833, 0.3256,
0.3345

 6.8378, 0.3475,
0.3433

166.3087, 0.3246,
0.3342

 3.3608, 0.3570,
0.3468

205.3170, 0.3238,
0.3338

 1.3229, 0.3733,
0.3525

249.9926, 0.3231,

 0.1588, 0.6179,

0.3335

0.3821

300.7199, 0.3225,
0.3333

0.0000, 0.0000,
0.0000

42.8230, 0.3315,
0.3370

42.8230, 0.3315,
0.3370

37.3618, 0.3516,
0.3446

48.8975, 0.3146,
0.3298

32.4890, 0.3754,
0.3525

55.5979, 0.3003,
0.3232

28.1862, 0.4032,
0.3603

62.9438, 0.2884,
0.3171

24.4320, 0.4351,
0.3673

70.9519, 0.2782,
0.3116

21.2034, 0.4706,
0.3729

79.3459, 0.2719,
0.3112

■ 18.4760, 0.5079,
0.3758

■ 87.4347, 0.2733,
0.3257

■ 16.2229, 0.5445,
0.3749

■ 89.3013, 0.2736,
0.3289

■ 14.4146, 0.5765,
0.3695

■ 13.1602, 0.5995,
0.3622

Harmonies

Analogous

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



42.8230, 0.3284, 0.3288



42.8230, 0.3315, 0.3370



42.8230, 0.3295, 0.3432

Triad

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



42.8230, 0.3315, 0.3370



42.8230, 0.3043, 0.3374



42.8230, 0.3024, 0.3128

Complementary

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



42.8230, 0.3315, 0.3370



44.7276, 0.2956, 0.3209

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.



42.8230, 0.2962, 0.3147



42.8230, 0.3315, 0.3370



42.8230, 0.2973, 0.3289

Square

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



42.8230, 0.3315, 0.3370



42.8230, 0.3137, 0.3436



42.8230, 0.2943, 0.3206



42.8230, 0.3115, 0.3150

Rectangle

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



42.8230, 0.3315, 0.3370



42.8230, 0.3255, 0.3454



42.8230, 0.2943, 0.3206



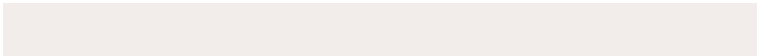
42.8230, 0.2999, 0.3129

Sweetspot

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



42.8249, 0.3315, 0.3370



85.5246, 0.3175, 0.3311



41.1734, 0.3191, 0.3094



18.6346, 0.3188, 0.3317



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.



42.8249, 0.3315, 0.3370



74.6842, 0.3352, 0.3385



46.9468, 0.3299, 0.3505



9.9697, 0.3281, 0.3356



9.1791, 0.5974, 0.3639



0.4755, 0.5488, 0.4025

Inverse Universe

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



44.7276, 0.2956, 0.3209



78.6449, 0.2926, 0.3193



40.6499, 0.2954, 0.3066



10.3350, 0.2985, 0.3223



14.2373, 0.1984, 0.2341



0.6642, 0.2054, 0.2595

Previews

White Background



This preview shows how the Yxy color 42.8230, 0.3315, 0.3370 looks on a white background.

Color Contrast Check

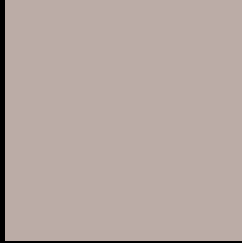
Large Text (above 18pt) WCAG AA × Fail

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 42.8230, 0.3315, 0.3370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

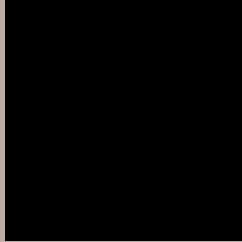
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8230, 0.3315, 0.3370

Background



This preview shows how black text looks on a background with the Yxy color 42.8230, 0.3315, 0.3370.



This preview shows how white text looks on a background with the Yxy color 42.8230, 0.3315, 0.3370.

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

42.8230, 0.3315, 0.3370

Protanopia

42.7654, 0.3240, 0.3385

Deuteranopia

42.7681, 0.3386, 0.3317



Tritanopia

42.6136, 0.3190, 0.3109

Trichromacy



Original Color

42.8230, 0.3315, 0.3370

Protanomaly

42.7444, 0.3268, 0.3371

Deuteranomaly

42.7459, 0.3356, 0.3330

Tritanomaly

42.6151, 0.3232, 0.3199

Monochromacy



Original Color

42.8230, 0.3315, 0.3370

Achromatopsia

43.4154, 0.3127, 0.3290

Achromatomaly

43.3418, 0.3196, 0.3330

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8230, 0.3315, 0.3370 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, 172, 166)` looks like.

```
.text, #text, p{  
    color:rgb(187, 172, 166)  
}
```

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, 172, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 172, 166) }
```

Border

The CSS property to change the border of an element to Yxy 42.8230, 0.3315, 0.3370 is called "border". The border property can be set on classes, ids or directly on the HTML element.

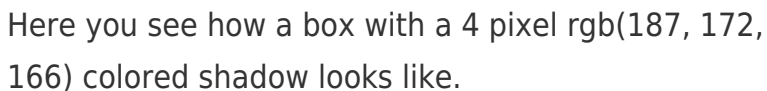
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(187, 172, 166) }
```

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

```
.border{ border-color:rgb(187, 172, 166) }
```

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



Here you see how a box with a 4 pixel rgb(187, 172, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 172, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 172, 166);  
box-shadow:4px 4px 4px 4px rgb(187, 172,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8230, 0.3315, 0.3370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 172, 166) }
```

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

```
.background{ background-color: rgb(187,  
172, 166) }
```

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