

# Converting Colors

$Y_{xy}(43.6278, 0.3314, 0.3359)$

Have a look what the booklet for  
Yxy(43.6278, 0.3314, 0.3359)  
contains.

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# Color

**Yxy(43.5331, 0.3315, 0.3356)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDADA8
RGB	189, 173, 168
RGB Percent	74%, 68%, 66%
CMY	0.2587, 0.3216, 0.3412
CMYK	0.00, 0.08, 0.11, 0.26
HSL	14°, 14%, 70%
HSV	14°, 11%, 74%
XYZ	43.0013, 43.5331, 43.1829
YIQ	177.2140, 11.1410, 1.8370

# Conversions

## Conversions Part 2

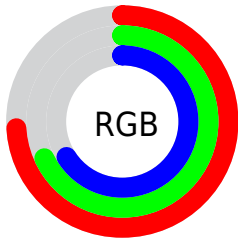
Format	Color
<a href="#">RYB</a>	<a href="#">189, 175, 168</a>
Decimal	<a href="#">12430760</a>
CIELab	<a href="#">71.92, 4.90, 4.64</a>
CIELCh	<a href="#">72, 6.742, 43.440</a>
Yxy	<a href="#">43.5331, 0.3315, 0.3356</a>
Android (android.graphics.Color)	<a href="#">4290620840</a> ( <a href="#">0xFFBDADA8</a> )
YUV	<a href="#">177.2140, -4.5425, 10.3363</a>
Hunter-Lab	<a href="#">65.9796, 0.8705, 7.3811</a>

# Details

The Yxy color **43.5331, 0.3315, 0.3356** is a light color, and the websafe version is hex **999999**. A complement of this color would be **46.2911, 0.2958, 0.3223**, and the grayscale version is **44.1068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2270, 0.3279, 0.3341**, and **20.1699, 0.3376, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **37.6496, 0.3520, 0.3420**, and if you desaturate by 10%, it is **50.1188, 0.3144, 0.3296**.

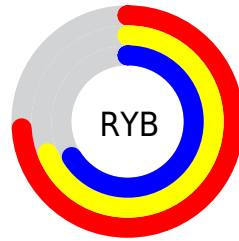
# Distribution



Red (74%)

Green (68%)

Blue (66%)



Red (74%)

Yellow (69%)

Blue (66%)

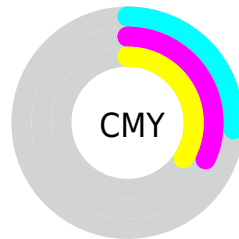


Cyan (0%)

Magenta (8%)

Yellow (11%)

Black (26%)



Cyan (26%)

Magenta (32%)


Yellow (34%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.5331, 0.3315, 0.3356 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 43.5331, 0.3315, 0.3356 by changing the saturation by 10% instead.




 43.5331, 0.3315,  
0.3356


 43.5331, 0.3315,  
0.3356

360.7996, 0.3220,  
0.3323

 30.3036, 0.3339,  
0.3364


 80.5147, 0.3280,  
0.3344

 20.0692, 0.3371,  
0.3374


 105.0356, 0.3267,  
0.3340

 12.4453, 0.3413,  
0.3388


134.0891, 0.3256,  
0.3336

 7.0477, 0.3474,  
0.3407

168.0597, 0.3247,  
0.3333

 3.4920, 0.3567,  
0.3434

207.3316, 0.3238,  
0.3330

 1.3936, 0.3726,  
0.3479

252.2893, 0.3231,

 0.2120, 0.6022,

0.3327

0.3978

303.3171, 0.3225,  
0.3325

0.0000, 0.0000,  
0.0000

43.5331, 0.3315,  
0.3356

43.5331, 0.3315,  
0.3356

37.6496, 0.3520,  
0.3420

50.1188, 0.3144,  
0.3296

32.4394, 0.3764,  
0.3485

57.4232, 0.3002,  
0.3241

27.8799, 0.4053,  
0.3550

65.4691, 0.2883,  
0.3191

23.9450, 0.4387,  
0.3608

74.2770, 0.2783,  
0.3145

20.6070, 0.4761,  
0.3653

83.3728, 0.2737,  
0.3182

■ 17.8359, 0.5157,  
0.3673

■ 89.5613, 0.2747,  
0.3289

■ 15.5989, 0.5542,  
0.3658

■ 13.8596, 0.5874,  
0.3604

■ 12.6926, 0.6105,  
0.3534

# Harmonies

## Analogous

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



43.5331, 0.3274, 0.3272



43.5331, 0.3315, 0.3356



43.5331, 0.3304, 0.3424

# Triad

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



43.5331, 0.3315, 0.3356



43.5331, 0.3059, 0.3389



43.5331, 0.3008, 0.3126

# Complementary

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



43.5331, 0.3315, 0.3356



46.2911, 0.2958, 0.3223

# 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.



43.5331, 0.2953, 0.3154



43.5331, 0.3315, 0.3356



43.5331, 0.2982, 0.3306

# Square

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



43.5331, 0.3315, 0.3356



43.5331, 0.3156, 0.3445



43.5331, 0.2943, 0.3220



43.5331, 0.3096, 0.3141



# Rectangle

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



43.5331, 0.3315, 0.3356



43.5331, 0.3270, 0.3451



43.5331, 0.2943, 0.3220



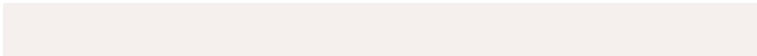
43.5331, 0.2985, 0.3131

# Sweetspot

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



43.5350, 0.3315, 0.3356



87.3687, 0.3175, 0.3308



42.2931, 0.3182, 0.3082



18.5778, 0.3188, 0.3312



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

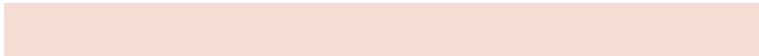


# Same Dimension

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



43.5350, 0.3315, 0.3356



75.6498, 0.3355, 0.3369



47.6870, 0.3299, 0.3490



9.8947, 0.3283, 0.3345



8.6387, 0.6084, 0.3551



0.4430, 0.5607, 0.3930



# Inverse Universe

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



46.2911, 0.2958, 0.3223



81.4279, 0.2926, 0.3210



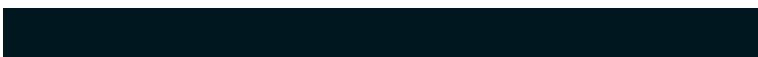
42.1207, 0.2956, 0.3082



10.4147, 0.2985, 0.3234



16.0308, 0.2031, 0.2513



0.7227, 0.2089, 0.2720



# Previews

## White Background



This preview shows how the Yxy color 43.5331, 0.3315, 0.3356 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

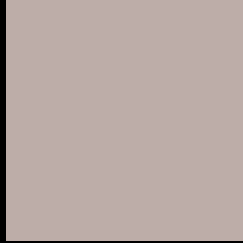
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.5331, 0.3315, 0.3356 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

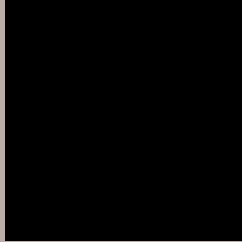
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.5331, 0.3315, 0.3356**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.5331, 0.3315, 0.3356.



This preview shows how white text looks on a background with the Yxy color 43.5331, 0.3315, 0.3356.

# 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

43.5331, 0.3315, 0.3356

### Protanopia

43.7390, 0.3229, 0.3384

### Deuteranopia

43.3498, 0.3376, 0.3304



## Tritanopia

43.6629, 0.3198, 0.3124

# Trichromacy



## Original Color

43.5331, 0.3315, 0.3356

## Protanomaly

43.7149, 0.3258, 0.3370

## Deuteranomaly

43.3278, 0.3346, 0.3317

## Tritanomaly

43.6665, 0.3239, 0.3213

# Monochromacy



## Original Color

43.5331, 0.3315, 0.3356

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

43.9304, 0.3188, 0.3317

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.5331, 0.3315, 0.3356 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, 173, 168)` looks like.

```
.text, #text, p{  
    color:rgb(189, 173, 168)  
}
```

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, 173, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 173, 168) }
```

## Border

The CSS property to change the border of an element to Yxy 43.5331, 0.3315, 0.3356 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, 173, 168) }
```

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

```
.border{ border-color:rgb(189, 173, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 173, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 173, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 173, 168);  
box-shadow:4px 4px 4px 4px rgb(189, 173,  
168) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.5331, 0.3315, 0.3356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 173, 168) }
```

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

```
.background{ background-color: rgb(189,  
173, 168) }
```

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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