

# Converting Colors

$Yxy(43.3575, 0.3228, 0.3199)$

Have a look what the booklet for  
Yxy(43.3575, 0.3228, 0.3199)  
contains.

<b>Yxy(43.1590, 0.3231, 0.3199)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(43.1590, 0.3231, 0.3199)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BDABB2
RGB	189, 171, 178
RGB Percent	74%, 67%, 70%
CMY	0.2587, 0.3294, 0.3019
CMYK	0.00, 0.10, 0.06, 0.26
HSL	337°, 12%, 71%
HSV	337°, 10%, 74%
XYZ	43.5907, 43.1590, 48.1643
YIQ	177.1800, 8.4810, 5.9930

# Conversions

## Conversions Part 2

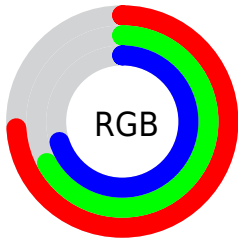
Format	Color
R <sub>Y</sub> B	189, 171, 178
Decimal	12430258
CIE Lab	71.66, 7.73, -1.25
CIE LCh	72, 7.830, 350.846
Yxy	43.1590, 0.3231, 0.3199
Android (android.graphics.Color)	4290620338 (0xFFBDABB2)
YUV	177.1800, 0.4043, 10.3661
Hunter-Lab	65.6955, 3.4724, 2.5187

# Details

The Yxy color **43.1590, 0.3231, 0.3199** is a light color, and the websafe version is hex **999999**. A complement of this color would be **48.4392, 0.3034, 0.3383**, and the grayscale version is **44.0632, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.7457, 0.3208, 0.3209**, and **19.9086, 0.3271, 0.3184** is the 20% darker color. If you saturate the color by 10%, you get **36.0795, 0.3363, 0.3098**, and if you desaturate by 10%, it is **51.3024, 0.3123, 0.3294**.

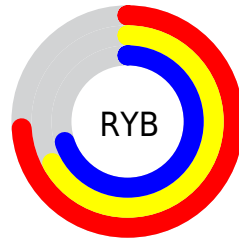
# Distribution



Red (74%)

Green (67%)

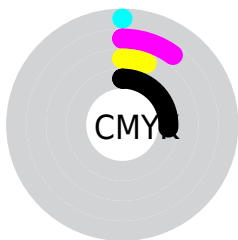
Blue (70%)



Red (74%)

Yellow (67%)

Blue (70%)

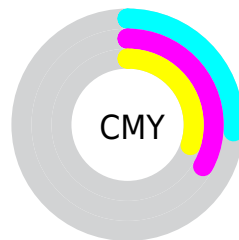


Cyan (0%)

Magenta (10%)

Yellow (6%)

Black (26%)



Cyan (26%)

Magenta (33%)


Yellow (30%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.1590, 0.3231, 0.3199 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 43.1590, 0.3231, 0.3199 by changing the saturation by 10% instead.




 43.1590, 0.3231,  
0.3199

 43.1590, 0.3231,  
0.3199


359.2652, 0.3179,  
0.3245

 30.0099, 0.3244,  
0.3187


 79.9507, 0.3212,  
0.3216

 19.8461, 0.3261,  
0.3172


104.3622, 0.3205,  
0.3222

 12.2832, 0.3285,  
0.3152


133.2965, 0.3199,  
0.3227

 6.9369, 0.3317,  
0.3124

167.1381, 0.3193,  
0.3232

 3.4226, 0.3367,  
0.3081

206.2714, 0.3189,  
0.3236

 1.3562, 0.3452,  
0.3008

251.0807, 0.3185,

 0.1841, 0.4354,

0.3239

0.2204

301.9505, 0.3182,  
0.3242

0.0000, 0.0000,  
0.0000

43.1590, 0.3231,  
0.3199

43.1590, 0.3231,  
0.3199

36.0795, 0.3363,  
0.3098

51.3024, 0.3123,  
0.3294

30.0141, 0.3523,  
0.2994

60.5454, 0.3034,  
0.3383

24.9176, 0.3715,  
0.2890

70.9293, 0.2961,  
0.3464

20.7389, 0.3942,  
0.2792

82.4913, 0.2900,  
0.3539

17.4223, 0.4205,  
0.2711

88.3795, 0.2844,  
0.3499

■ 14.9062, 0.4498,  
0.2657

■ 89.0705, 0.2786,  
0.3372

■ 13.1203, 0.4809,  
0.2642

■ 89.5616, 0.2747,  
0.3289

■ 11.9822, 0.5119,  
0.2678

■ 11.3382, 0.5410,  
0.2757

# Harmonies

## Analogous

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



43.1590, 0.3119, 0.3129



43.1590, 0.3231, 0.3199



43.1590, 0.3316, 0.3293

# Triad

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



43.1590, 0.3231, 0.3199



43.1590, 0.3241, 0.3487



43.1590, 0.2911, 0.3186

# Complementary

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



43.1590, 0.3231, 0.3199



48.4392, 0.3034, 0.3383

# 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.



43.1590, 0.2942, 0.3282



43.1590, 0.3231, 0.3199



43.1590, 0.3132, 0.3459

# Square

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



43.1590, 0.3231, 0.3199



43.1590, 0.3321, 0.3460



43.1590, 0.3023, 0.3384



43.1590, 0.2936, 0.3119



# Rectangle

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



43.1590, 0.3231, 0.3199



43.1590, 0.3344, 0.3358



43.1590, 0.3023, 0.3384



43.1590, 0.2915, 0.3216

# Sweetspot

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



43.1609, 0.3231, 0.3199



86.5196, 0.3158, 0.3262



42.7211, 0.3074, 0.3055



18.3490, 0.3167, 0.3254



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.



43.1609, 0.3231, 0.3199



75.0750, 0.3251, 0.3183



43.5714, 0.3289, 0.3314



9.5963, 0.3229, 0.3201



7.6231, 0.5390, 0.2743



0.3115, 0.4748, 0.2390



# Inverse Universe

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



43.1609, 0.3231, 0.3199



75.0750, 0.3251, 0.3183



47.9662, 0.2982, 0.3266



9.5963, 0.3229, 0.3201



7.6231, 0.5390, 0.2743



0.3115, 0.4748, 0.2390



# Previews

## White Background



This preview shows how the Yxy color 43.1590, 0.3231, 0.3199 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

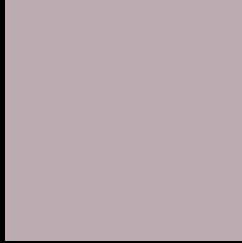
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.1590, 0.3231, 0.3199 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 43.1590, 0.3231, 0.3199**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.1590, 0.3231, 0.3199.



This preview shows how white text looks on a background with the Yxy color 43.1590, 0.3231, 0.3199.

# 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

43.1590, 0.3231, 0.3199

### Protanopia

43.3023, 0.3104, 0.3223

### Deuteranopia

43.0402, 0.3250, 0.3187



## Tritanopia

43.1155, 0.3198, 0.3123

# Trichromacy



## Original Color

43.1590, 0.3231, 0.3199

## Protanomaly

43.3505, 0.3148, 0.3224

## Deuteranomaly

42.9110, 0.3241, 0.3187

## Tritanomaly

43.0328, 0.3215, 0.3148

# Monochromacy



## Original Color

43.1590, 0.3231, 0.3199

## Achromatopsia

43.9657, 0.3127, 0.3290

## Achromatomaly

43.6580, 0.3164, 0.3264

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.1590, 0.3231, 0.3199 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, 171, 178)` looks like.

```
.text, #text, p{  
    color:rgb(189, 171, 178)  
}
```

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, 171, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 171, 178) }
```

## Border

The CSS property to change the border of an element to Yxy 43.1590, 0.3231, 0.3199 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, 171, 178) }
```

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

```
.border{ border-color:rgb(189, 171, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 171, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 171, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 171, 178);  
box-shadow:4px 4px 4px 4px rgb(189, 171,  
178) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.1590, 0.3231, 0.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 171, 178) }
```

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

```
.background{ background-color: rgb(189,  
171, 178) }
```

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