

Converting Colors

$Yxy(49.9326, 0.3233, 0.3442)$

Have a look what the booklet for
Yxy(49.9326, 0.3233, 0.3442)
contains.

Yxy(49.9198, 0.3229, 0.3443)	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(49.9198, 0.3229, 0.3443)

Conversions

Conversions Part 1

Format	Color
Hex	BDBCBO
RGB	189, 188, 176
RGB Percent	74%, 74%, 69%
CMY	0.2586, 0.2628, 0.3097
CMYK	0.00, 0.01, 0.07, 0.26
HSL	55°, 9%, 72%
HSV	55°, 7%, 74%
XYZ	46.8170, 49.9198, 48.2524
YIQ	186.9310, 4.4480, -3.5200

Conversions

Conversions Part 2

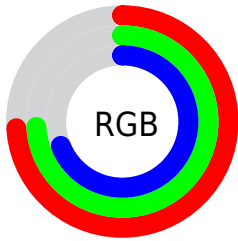
Format	Color
RYB	177, 189, 176
Decimal	12434608
CIELab	76.02, -1.76, 6.17
CIELCh	76, 6.421, 105.946
Yxy	49.9198, 0.3229, 0.3443
Android (android.graphics.Color)	4290624688 (0xFFBDBC0)
YUV	186.9310, -5.3890, 1.8145
Hunter-Lab	70.6539, -5.3659, 8.9662

Details

The Yxy color **49.9198, 0.3229, 0.3443** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **44.3875, 0.3023, 0.3132**, and the grayscale version is **49.6877, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9400, 0.3206, 0.3410**, and **24.0174, 0.3255, 0.3481** is the 20% darker color. If you saturate the color by 10%, you get **48.5679, 0.3383, 0.3672**, and if you desaturate by 10%, it is **51.3873, 0.3083, 0.3223**.

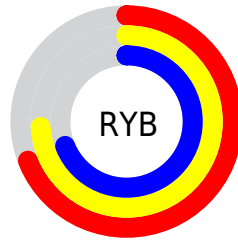
Distribution



Red (74%)

Green (74%)

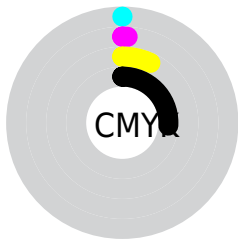
Blue (69%)



Red (69%)

Yellow (74%)

Blue (69%)

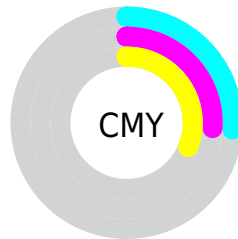


Cyan (0%)

Magenta (1%)

Yellow (7%)

Black (26%)



Cyan (26%)


Magenta (26%)


Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.9198, 0.3229, 0.3443 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 49.9198, 0.3229, 0.3443 by changing the saturation by 10% instead.


 49.9198, 0.3229,
0.3443

 49.9198, 0.3229,
0.3443


386.3522, 0.3179,
0.3367

 35.3497, 0.3241,
0.3462


 90.0560, 0.3211,
0.3416

 23.9324, 0.3257,
0.3486

116.3909, 0.3204,
0.3405

 15.2835, 0.3278,
0.3518


147.4162, 0.3198,
0.3396

 9.0186, 0.3306,
0.3562

183.5163, 0.3193,
0.3389

 4.7533, 0.3348,
0.3628

225.0755, 0.3189,
0.3382

 2.1032, 0.3416,
0.3735

272.4783, 0.3185,

 0.6665, 0.3807,

0.3377

0.4297

326.1091, 0.3182,
0.3372

0.0000, 0.0000,
0.0000

49.9198, 0.3229,
0.3443

49.9198, 0.3229,
0.3443

48.5679, 0.3383,
0.3672

51.3873, 0.3083,
0.3223

47.3209, 0.3541,
0.3903

52.9680, 0.2946,
0.3014

46.1763, 0.3698,
0.4130

54.6679, 0.2819,
0.2820

45.1291, 0.3851,
0.4344

56.4907, 0.2703,
0.2640

44.1740, 0.3991,
0.4535

57.3976, 0.2685,
0.2624

■ 43.3049, 0.4113,
0.4694

■ 58.0972, 0.2687,
0.2642

■ 42.5152, 0.4213,
0.4814

■ 58.8041, 0.2688,
0.2660

■ 41.7969, 0.4285,
0.4891

■ 59.5182, 0.2690,
0.2678

■ 41.1395, 0.4332,
0.4925

■ 60.2395, 0.2692,
0.2696

Harmonies

Analogous

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



49.9198, 0.3285, 0.3416



49.9198, 0.3229, 0.3443



49.9198, 0.3146, 0.3428

Triad

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



49.9198, 0.3229, 0.3443



49.9198, 0.2959, 0.3220



49.9198, 0.3195, 0.3208

Complementary

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



49.9198, 0.3229, 0.3443



44.3875, 0.3023, 0.3132

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.



49.9198, 0.3107, 0.3157



49.9198, 0.3229, 0.3443



49.9198, 0.2971, 0.3163

Square

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



49.9198, 0.3229, 0.3443



49.9198, 0.2990, 0.3298



49.9198, 0.3025, 0.3141



49.9198, 0.3266, 0.3280

Rectangle

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



49.9198, 0.3229, 0.3443



49.9198, 0.3087, 0.3396



49.9198, 0.3025, 0.3141



49.9198, 0.3166, 0.3188

Sweetspot

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



49.9220, 0.3229, 0.3443



90.6042, 0.3157, 0.3335



45.0631, 0.3234, 0.3276



19.4899, 0.3155, 0.3332



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.



49.9220, 0.3229, 0.3443



89.0447, 0.3248, 0.3471



49.6972, 0.3182, 0.3459



10.9834, 0.3266, 0.3499



27.5829, 0.4342, 0.4934



1.1203, 0.4303, 0.4966

Inverse Universe

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



44.3875, 0.3023, 0.3132



77.4609, 0.3003, 0.3102



44.6137, 0.3069, 0.3121



9.3474, 0.2984, 0.3072



2.7581, 0.1517, 0.0662



0.1511, 0.1580, 0.0887

Previews

White Background



This preview shows how the Yxy color 49.9198, 0.3229, 0.3443 looks on a white background.

Color Contrast Check

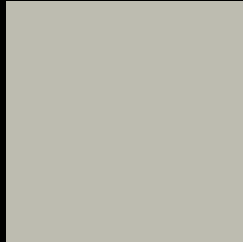
Large Text (above 18pt) WCAG AA × Fail

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 49.9198, 0.3229, 0.3443 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

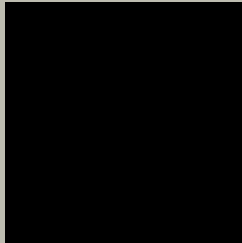
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

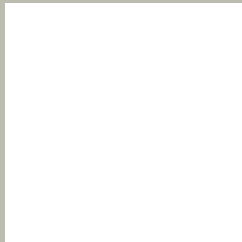
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.9198, 0.3229, 0.3443

Background



This preview shows how black text looks on a background with the Yxy color 49.9198, 0.3229, 0.3443.



This preview shows how white text looks on a background with the Yxy color 49.9198, 0.3229, 0.3443.

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

49.9198, 0.3229, 0.3443

Protanopia

50.1051, 0.3281, 0.3442

Deuteranopia

49.7774, 0.3405, 0.3339



Tritanopia

50.0279, 0.3077, 0.3117

Trichromacy



Original Color

49.9198, 0.3229, 0.3443

Protanomaly

49.8423, 0.3263, 0.3443

Deuteranomaly

50.0119, 0.3338, 0.3377

Tritanomaly

49.9558, 0.3130, 0.3227

Monochromacy



Original Color

49.9198, 0.3229, 0.3443

Achromatopsia

49.6933, 0.3127, 0.3290

Achromatomaly

49.6509, 0.3166, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.9198, 0.3229, 0.3443 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, 188, 176)` looks like.

```
.text, #text, p{  
    color:rgb(189, 188, 176)  
}
```

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, 188, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 188, 176) }
```

Border

The CSS property to change the border of an element to Yxy 49.9198, 0.3229, 0.3443 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, 188, 176) }
```

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

```
.border{ border-color:rgb(189, 188, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 188, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(189, 188, 176); -webkit-box-shadow:4px 4px 4px 4px rgb(189, 188, 176); box-shadow:4px 4px 4px 4px rgb(189, 188, 176) }
```


Background

The CSS property to change the background color of an element to Yxy 49.9198, 0.3229, 0.3443 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 188, 176) }
```

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

```
.background{ background-color: rgb(189,  
188, 176) }
```

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