

Converting Colors

$Y_{xy}(37.4703, 0.3211, 0.2949)$

Have a look what the booklet for
Yxy(37.4703, 0.3211, 0.2949)
contains.

Yxy(37.4703, 0.3211, 0.2949)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.4703, 0.3211, 0.2949)

Conversions

Conversions Part 1

Format	Color
Hex	BC9BB5
RGB	188, 155, 181
RGB Percent	74%, 61%, 71%
CMY	0.2628, 0.3921, 0.2902
CMYK	0.00, 0.18, 0.04, 0.26
HSL	313°, 20%, 67%
HSV	313°, 18%, 74%
XYZ	40.7993, 37.4703, 48.7914
YIQ	167.8310, 11.3220, 15.0820

Conversions

Conversions Part 2

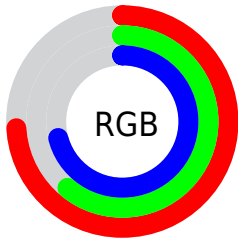
Format	Color
R _Y B	188, 155, 181
Decimal	12360629
CIE Lab	67.63, 16.71, -8.86
CIE LCh	68, 18.911, 332.062
Yxy	37.4703, 0.3211, 0.2949
Android (android.graphics.Color)	4290550709 (0xFFBC9BB5)
YUV	167.8310, 6.4923, 17.6882
Hunter-Lab	61.2130, 11.8500, -4.4096

Details

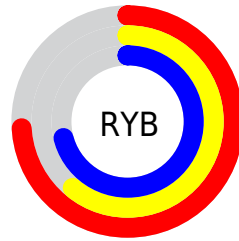
The Yxy color **37.4703, 0.3211, 0.2949** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.5441, 0.3053, 0.3657**, and the grayscale version is **39.0347, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.4407, 0.3192, 0.3014**, and **16.5275, 0.3230, 0.2858** is the 20% darker color. If you saturate the color by 10%, you get **31.5320, 0.3269, 0.2748**, and if you desaturate by 10%, it is **44.3908, 0.3161, 0.3146**.

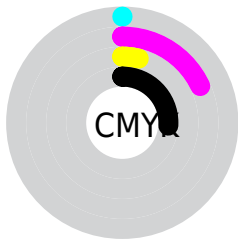
Distribution



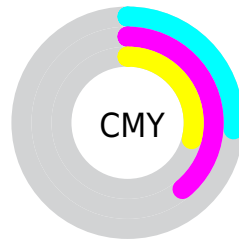
- Red (74%)
- Green (61%)
- Blue (71%)



- Red (74%)
- Yellow (61%)
- Blue (71%)



- Cyan (0%)
- Magenta (18%)
- Yellow (4%)
- Black (26%)





- Cyan (26%)
- Magenta (39%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4703, 0.3211, 0.2949 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 37.4703, 0.3211, 0.2949 by changing the saturation by 10% instead.


 37.4703, 0.3211,
0.2949


 37.4703, 0.3211,
0.2949


335.3422, 0.3170,
0.3121

 25.5718, 0.3221,
0.2906


 71.2955, 0.3196,
0.3012

 16.5036, 0.3234,
0.2849


 93.9911, 0.3191,
0.3035

 9.8812, 0.3251,
0.2774


121.0544, 0.3186,
0.3055

 5.3203, 0.3274,
0.2668

152.8700, 0.3182,
0.3072

 2.4364, 0.3307,
0.2508

189.8221, 0.3178,
0.3087

 0.8445, 0.3359,
0.2239

232.2953, 0.3175,

 0.0000, 0.3218,

0.3100

0.0000

280.6739, 0.3172,
0.3111

■ 0.0000, 0.0000,
0.0000

■ 37.4703, 0.3211,
0.2949

■ 37.4703, 0.3211,
0.2949

■ 31.5320, 0.3269,
0.2748

■ 44.3908, 0.3161,
0.3146

■ 26.5260, 0.3334,
0.2550

■ 52.3306, 0.3117,
0.3336

■ 22.4054, 0.3407,
0.2361

■ 61.3310, 0.3080,
0.3514

■ 19.1174, 0.3485,
0.2193

■ 71.4294, 0.3049,
0.3681

■ 16.6033, 0.3567,
0.2053

■ 82.6615, 0.3022,
0.3835

■ 14.7969, 0.3651,
0.1953

■ 86.6167, 0.3000,
0.3849

■ 13.6211, 0.3734,
0.1897

■ 86.8120, 0.2979,
0.3803

■ 12.9622, 0.3813,
0.1886

■ 87.0123, 0.2958,
0.3757

■ 12.8309, 0.3833,
0.1885

■ 87.2176, 0.2936,
0.3711

Harmonies

Analogous

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



37.4703, 0.2927, 0.2836



37.4703, 0.3211, 0.2949



37.4703, 0.3483, 0.3143

Triad

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



37.4703, 0.3211, 0.2949



37.4703, 0.3554, 0.3760



37.4703, 0.2623, 0.3163

Complementary

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



37.4703, 0.3211, 0.2949



45.5441, 0.3053, 0.3657

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.



37.4703, 0.2776, 0.3433



37.4703, 0.3211, 0.2949



37.4703, 0.3310, 0.3791

Square

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



37.4703, 0.3211, 0.2949



37.4703, 0.3684, 0.3604



37.4703, 0.3026, 0.3670



37.4703, 0.2598, 0.2946

Rectangle

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



37.4703, 0.3211, 0.2949



37.4703, 0.3615, 0.3299



37.4703, 0.3026, 0.3670



37.4703, 0.2661, 0.3251

Sweetspot

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



37.4719, 0.3211, 0.2949



83.8283, 0.3149, 0.3194



34.7160, 0.2902, 0.2829



17.8176, 0.3152, 0.3180



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.



37.4719, 0.3211, 0.2949



63.6235, 0.3232, 0.2873



36.8494, 0.3363, 0.3158



9.6606, 0.3169, 0.3111



8.7474, 0.3824, 0.1880



0.3515, 0.3650, 0.1784

Inverse Universe

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



37.4719, 0.3211, 0.2949



63.6235, 0.3232, 0.2873



46.1533, 0.2936, 0.3426



9.6606, 0.3169, 0.3111



8.7474, 0.3824, 0.1880



0.3515, 0.3650, 0.1784

Previews

White Background



This preview shows how the Yxy color 37.4703, 0.3211, 0.2949 looks on a white background.

Color Contrast Check

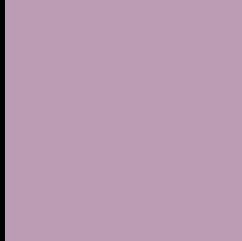
Large Text (above 18pt) WCAG AA × Fail

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 37.4703, 0.3211, 0.2949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

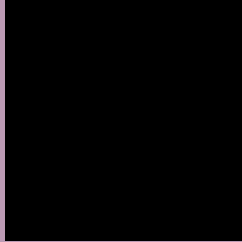
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4703, 0.3211, 0.2949

Background



This preview shows how black text looks on a background with the Yxy color 37.4703, 0.3211, 0.2949.



This preview shows how white text looks on a background with the Yxy color 37.4703, 0.3211, 0.2949.

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

37.4703, 0.3211, 0.2949

Protanopia

37.6732, 0.2917, 0.2983

Deuteranopia

37.4356, 0.3084, 0.3017



Tritanopia

37.4176, 0.3301, 0.3130

Trichromacy



Original Color

37.4703, 0.3211, 0.2949

Protanomaly

37.6084, 0.3022, 0.2976

Deuteranomaly

37.3327, 0.3132, 0.2993

Tritanomaly

37.3589, 0.3275, 0.3064

Monochromacy



Original Color

37.4703, 0.3211, 0.2949

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

38.3255, 0.3152, 0.3153

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4703, 0.3211, 0.2949 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(188, 155, 181)` looks like.

```
.text, #text, p{  
    color:rgb(188, 155, 181)  
}
```

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(188, 155, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 155, 181) }
```

Border

The CSS property to change the border of an element to Yxy 37.4703, 0.3211, 0.2949 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(188, 155, 181) }
```

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

```
.border{ border-color:rgb(188, 155, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 155, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 155, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 155, 181);  
box-shadow:4px 4px 4px 4px rgb(188, 155,  
181) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4703, 0.3211, 0.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 155, 181) }
```

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

```
.background{ background-color: rgb(188,  
155, 181) }
```

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