

# Converting Colors

$Yxy(43.4427, 0.3033, 0.2933)$

Have a look what the booklet for  
Yxy(43.4427, 0.3033, 0.2933)  
contains.

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# Color

**Yxy(43.3121, 0.3031, 0.2921)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAAAC7
RGB	186, 170, 199
RGB Percent	73%, 67%, 78%
CMY	0.2704, 0.3334, 0.2196
CMYK	0.07, 0.15, 0.00, 0.22
HSL	273°, 21%, 72%
HSV	273°, 15%, 78%
XYZ	44.9432, 43.3121, 60.0231
YIQ	178.0900, 0.2270, 12.4110

# Conversions

## Conversions Part 2

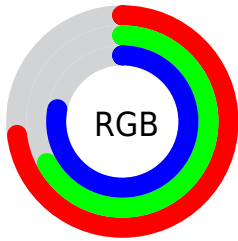
<b>Format</b>	<b>Color</b>
<b>RYB</b>	186, 170, 199
Decimal	12233415
CIELab	71.77, 11.23, -12.67
CIELCh	72, 16.930, 311.558
Yxy	43.3121, 0.3031, 0.2921
Android (android.graphics.Color)	4290423495 (0xFFBAAAC7)
YUV	178.0900, 10.3086, 6.9371
Hunter-Lab	65.8119, 6.7273, -8.0065

# Details

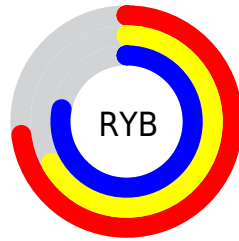
The Yxy color  $43.3121, 0.3031, 0.2921$  is a light color, and the websafe version is hex  $9999CC$ . A complement of this color would be  $53.8067, 0.3212, 0.3662$ , and the grayscale version is  $44.5195, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $79.9477, 0.3053, 0.2991$ , and  $19.9877, 0.3004, 0.2824$  is the 20% darker color. If you saturate the color by 10%, you get  $35.3320, 0.2951, 0.2646$ , and if you desaturate by 10%, it is  $52.4943, 0.3099, 0.3179$ .

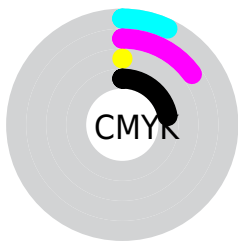
# Distribution



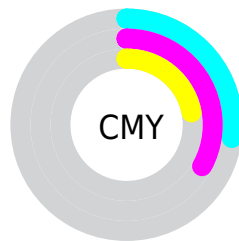
- Red (73%)
- Green (67%)
- Blue (78%)



- Red (73%)
- Yellow (67%)
- Blue (78%)



- Cyan (7%)
- Magenta (15%)
- Yellow (0%)
- Black (22%)




- Cyan (27%)
- Magenta (33%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 43.3121, 0.3031, 0.2921 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 43.3121, 0.3031, 0.2921 by changing the saturation by 10% instead.





 43.3121, 0.3031,  
0.2921

 43.3121, 0.3031,  
0.2921

359.8937, 0.3081,  
0.3103

 30.1301, 0.3018,  
0.2876


 80.1816, 0.3050,  
0.2987

 19.9373, 0.3001,  
0.2819


104.6379, 0.3057,  
0.3012

 12.3495, 0.2977,  
0.2744

133.6210, 0.3062,  
0.3033

 6.9822, 0.2943,  
0.2640

167.5155, 0.3067,  
0.3051

 3.4510, 0.2890,  
0.2489

206.7055, 0.3071,  
0.3066

 1.3714, 0.2798,  
0.2249

251.5757, 0.3075,

 0.1955, 0.2613,

0.3080

0.1111

302.5103, 0.3078,  
0.3092

0.0000, 0.0000,  
0.0000

43.3121, 0.3031,  
0.2921

43.3121, 0.3031,  
0.2921

35.3320, 0.2951,  
0.2646

52.4943, 0.3099,  
0.3179

28.4965, 0.2860,  
0.2360

62.9216, 0.3157,  
0.3416

22.7519, 0.2757,  
0.2071

74.6417, 0.3206,  
0.3633

18.0375, 0.2646,  
0.1789

87.6983, 0.3246,  
0.3828

14.2869, 0.2528,  
0.1529

92.5395, 0.3297,  
0.3870

■ 11.4252, 0.2409,  
0.1303

■ 94.0495, 0.3355,  
0.3859

■ 9.3664, 0.2292,  
0.1125

■ 95.6354, 0.3414,  
0.3848

■ 8.0058, 0.2183,  
0.0999

■ 96.9035, 0.3460,  
0.3840

■ 7.4534, 0.2128,  
0.0946

# Harmonies

## Analogous

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



43.3121, 0.2818, 0.2887



43.3121, 0.3031, 0.2921



43.3121, 0.3277, 0.3044

# Triad

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



43.3121, 0.3031, 0.2921



43.3121, 0.3580, 0.3611



43.3121, 0.2775, 0.3339

# Complementary

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



43.3121, 0.3031, 0.2921



53.8067, 0.3212, 0.3662

# 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.



43.3121, 0.2968, 0.3557



43.3121, 0.3031, 0.2921



43.3121, 0.3434, 0.3712

# Square

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



43.3121, 0.3031, 0.2921



43.3121, 0.3602, 0.3433



43.3121, 0.3209, 0.3696



43.3121, 0.2675, 0.3117



# Rectangle

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



43.3121, 0.3031, 0.2921



43.3121, 0.3427, 0.3162



43.3121, 0.3209, 0.3696



43.3121, 0.2830, 0.3416

# Sweetspot

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



43.3139, 0.3031, 0.2921



92.8111, 0.3103, 0.3192



46.5522, 0.2901, 0.3081



19.5847, 0.3098, 0.3173



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

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



43.3139, 0.3031, 0.2921



71.9074, 0.3011, 0.2849



44.9426, 0.3156, 0.2951



10.5722, 0.3068, 0.3057



4.8454, 0.2141, 0.0953



0.2719, 0.2357, 0.1072



# Inverse Universe

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



44.3021, 0.3281, 0.3128



73.9409, 0.3314, 0.3097



52.3480, 0.3099, 0.3654



10.7143, 0.3221, 0.3187



8.2860, 0.5166, 0.2619

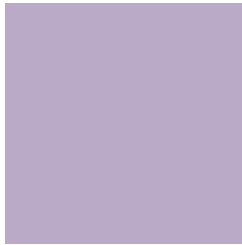


0.4069, 0.4656, 0.2338



# Previews

## White Background



This preview shows how the Yxy color 43.3121, 0.3031, 0.2921 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

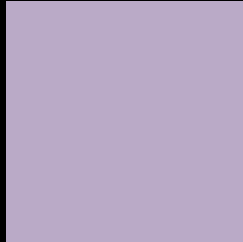
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 43.3121, 0.3031, 0.2921 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

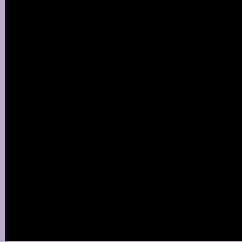
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 43.3121, 0.3031, 0.2921**

## **Background**



This preview shows how black text looks on a background with the Yxy color 43.3121, 0.3031, 0.2921.



This preview shows how white text looks on a background with the Yxy color 43.3121, 0.3031, 0.2921.

# 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

43.3121, 0.3031, 0.2921

### Protanopia

43.5821, 0.2883, 0.2937

### Deuteranopia

43.1944, 0.2996, 0.2930



## Tritanopia

43.2406, 0.3118, 0.3108

# Trichromacy



## Original Color

43.3121, 0.3031, 0.2921

## Protanomaly

43.3343, 0.2931, 0.2927

## Deuteranomaly

43.3166, 0.3005, 0.2931

## Tritanomaly

43.2017, 0.3086, 0.3032

# Monochromacy



## Original Color

43.3121, 0.3031, 0.2921

## Achromatopsia

44.5201, 0.3127, 0.3290

## Achromatomaly

44.0289, 0.3090, 0.3146

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 43.3121, 0.3031, 0.2921 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(186, 170, 199)` looks like.

```
.text, #text, p{  
    color:rgb(186, 170, 199)  
}
```

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(186, 170, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 170, 199) }
```

## Border

The CSS property to change the border of an element to Yxy 43.3121, 0.3031, 0.2921 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(186, 170, 199) }
```

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

```
.border{ border-color:rgb(186, 170, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 170, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 170, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 170, 199);  
box-shadow:4px 4px 4px 4px rgb(186, 170,  
199) }
```



# Background

The CSS property to change the background color of an element to Yxy 43.3121, 0.3031, 0.2921 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 170, 199) }
```

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

```
.background{ background-color: rgb(186,  
170, 199) }
```

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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