

# Converting Colors

$Y_{xy}(47.8805, 0.3052, 0.3113)$

Have a look what the booklet for  
Yxy(47.8805, 0.3052, 0.3113)  
contains.

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# Color

**Yxy(47.8805, 0.3052, 0.3113)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BAB6C4
RGB	186, 182, 196
RGB Percent	73%, 71%, 77%
CMY	0.2705, 0.2863, 0.2314
CMYK	0.05, 0.07, 0.00, 0.23
HSL	257°, 11%, 74%
HSV	257°, 7%, 77%
XYZ	46.9423, 47.8805, 58.9855
YIQ	184.7920, -2.1100, 5.2020

# Conversions

## Conversions Part 2

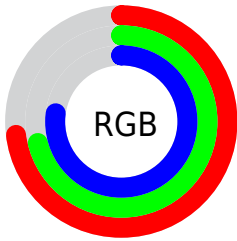
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	186, 182, 196
Decimal	12236484
CIE Lab	74.75, 4.06, -6.57
CIE LCh	75, 7.729, 301.723
Yxy	47.8805, 0.3052, 0.3113
Android (android.graphics.Color)	4290426564 (0xFFBAB6C4)
YUV	184.7920, 5.5255, 1.0594
Hunter-Lab	69.1957, 0.0016, -2.1044

# Details

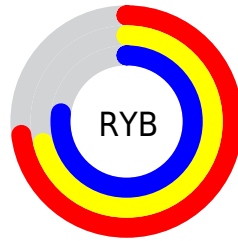
The Yxy color  $47.8805, 0.3052, 0.3113$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $54.0566, 0.3199, 0.3464$ , and the grayscale version is  $48.3653, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $87.1182, 0.3062, 0.3142$ , and  $22.6401, 0.3035, 0.3067$  is the 20% darker color. If you saturate the color by 10%, you get  $38.7422, 0.2933, 0.2842$ , and if you desaturate by 10%, it is  $58.3177, 0.3155, 0.3357$ .

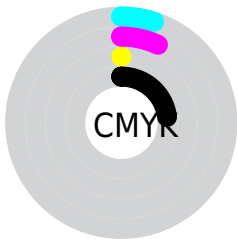
# Distribution



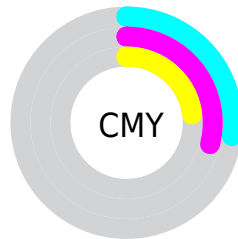
- Red (73%)
- Green (71%)
- Blue (77%)



- Red (73%)
- Yellow (71%)
- Blue (77%)



- Cyan (5%)
- Magenta (7%)
- Yellow (0%)
- Black (23%)



- Cyan (27%)
- Magenta (29%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 47.8805, 0.3052, 0.3113 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 47.8805, 0.3052, 0.3113 by changing the saturation by 10% instead.



■ 47.8805, 0.3052,  
0.3113

■ 47.8805, 0.3052,  
0.3113

378.3183, 0.3090,  
0.3200

■ 33.7323, 0.3043,  
0.3092

■ 87.0265, 0.3066,  
0.3144

■ 22.6880, 0.3030,  
0.3064

112.7930, 0.3071,  
0.3156

■ 14.3633, 0.3014,  
0.3028

143.2010, 0.3075,  
0.3166

■ 8.3738, 0.2992,  
0.2978

178.6350, 0.3079,  
0.3175

■ 4.3350, 0.2958,  
0.2905

219.4793, 0.3082,  
0.3183

■ 1.8627, 0.2901,  
0.2788

266.1184, 0.3085,

■ 0.5258, 0.2775,

0.3189

0.2436

318.9366, 0.3088,  
0.3195

0.0000, 0.0000,  
0.0000

47.8805, 0.3052,  
0.3113

47.8805, 0.3052,  
0.3113

38.7422, 0.2933,  
0.2842

58.3177, 0.3155,  
0.3357

30.8455, 0.2797,  
0.2547

70.0960, 0.3243,  
0.3575

24.1375, 0.2644,  
0.2233

83.2635, 0.3318,  
0.3767

18.5594, 0.2479,  
0.1910

94.3710, 0.3391,  
0.3887

14.0472, 0.2306,  
0.1592

96.7651, 0.3478,  
0.3870

■ 10.5302, 0.2133,  
0.1297

■ 7.9291, 0.1969,  
0.1046

■ 6.1517, 0.1826,  
0.0854

■ 5.0732, 0.1711,  
0.0730

# Harmonies

## Analogous

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



47.8805, 0.2966, 0.3115



47.8805, 0.3052, 0.3113



47.8805, 0.3160, 0.3157

# Triad

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



47.8805, 0.3052, 0.3113



47.8805, 0.3336, 0.3413



47.8805, 0.2995, 0.3346

# Complementary

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



47.8805, 0.3052, 0.3113



54.0566, 0.3199, 0.3464

# 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.



47.8805, 0.3092, 0.3430



47.8805, 0.3052, 0.3113



47.8805, 0.3290, 0.3467

# Square

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



47.8805, 0.3052, 0.3113



47.8805, 0.3325, 0.3327



47.8805, 0.3200, 0.3474



47.8805, 0.2934, 0.3248



# Rectangle

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



47.8805, 0.3052, 0.3113



47.8805, 0.3229, 0.3206



47.8805, 0.3200, 0.3474



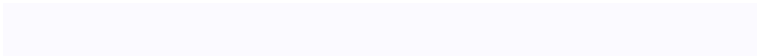
47.8805, 0.3025, 0.3377

# Sweetspot

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



47.8825, 0.3052, 0.3113



96.1056, 0.3107, 0.3241



51.6414, 0.3018, 0.3240



20.6114, 0.3108, 0.3243



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.



47.8825, 0.3052, 0.3113



83.2475, 0.3029, 0.3061



48.7740, 0.3110, 0.3116



9.8847, 0.3027, 0.3055



3.1429, 0.1695, 0.0707



0.1720, 0.1949, 0.0847



# Inverse Universe

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



48.9962, 0.3167, 0.3167



85.8049, 0.3179, 0.3131



53.1711, 0.3143, 0.3467



10.1967, 0.3180, 0.3127



8.7694, 0.4085, 0.2024



0.3903, 0.3847, 0.1893



# Previews

## White Background



This preview shows how the Yxy color 47.8805, 0.3052, 0.3113 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

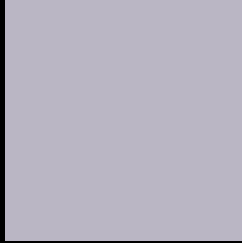
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 47.8805, 0.3052, 0.3113 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

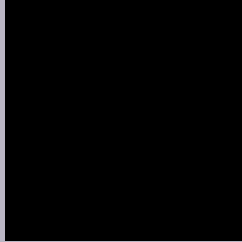
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 47.8805, 0.3052, 0.3113**

## Background



This preview shows how black text looks on a background with the Yxy color 47.8805, 0.3052, 0.3113.

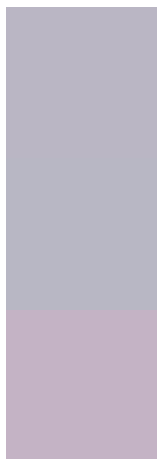


This preview shows how white text looks on a background with the Yxy color 47.8805, 0.3052, 0.3113.

# 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

47.8805, 0.3052, 0.3113

### Protanopia

48.0428, 0.3035, 0.3125

### Deuteranopia

48.0072, 0.3129, 0.3068



## Tritanopia

47.8805, 0.3052, 0.3113

# Trichromacy



## Original Color

47.8805, 0.3052, 0.3113

## Protanomaly

48.1668, 0.3043, 0.3125

## Deuteranomaly

47.8802, 0.3095, 0.3078

## Tritanomaly

47.8805, 0.3052, 0.3113

# Monochromacy



## Original Color

47.8805, 0.3052, 0.3113

## Achromatopsia

48.5150, 0.3127, 0.3290

## Achromatomaly

48.2694, 0.3097, 0.3226

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 47.8805, 0.3052, 0.3113 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, 182, 196)` looks like.

```
.text, #text, p{  
    color:rgb(186, 182, 196)  
}
```

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, 182, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 182, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 47.8805, 0.3052, 0.3113 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, 182, 196) }
```

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

```
.border{ border-color:rgb(186, 182, 196) }
```

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

Here you see how a box with a 4 pixel rgb(186, 182, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 182, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 182, 196);  
box-shadow:4px 4px 4px 4px rgb(186, 182,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 47.8805, 0.3052, 0.3113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 182, 196) }
```

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

```
.background{ background-color: rgb(186,  
182, 196) }
```

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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