

# Converting Colors

Yxy(48.7241, 0.3186, 0.3151)

Have a look what the booklet for  
Yxy(48.7241, 0.3186, 0.3151)  
contains.

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# Color

**Yxy(48.8593, 0.3185, 0.3155)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C6B5C0
RGB	198, 181, 192
RGB Percent	78%, 71%, 75%
CMY	0.2235, 0.2902, 0.2472
CMYK	0.00, 0.09, 0.03, 0.22
HSL	321°, 13%, 74%
HSV	321°, 9%, 78%
XYZ	49.3239, 48.8593, 56.6799
YIQ	187.3370, 6.6010, 7.0250

# Conversions

## Conversions Part 2

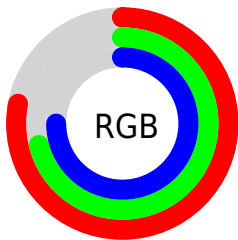
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	198, 181, 192
Decimal	13022656
CIE Lab	75.36, 7.99, -3.36
CIE LCh	75, 8.669, 337.176
Yxy	48.8593, 0.3185, 0.3155
Android (android.graphics.Color)	4291212736 (0xFFC6B5C0)
YUV	187.3370, 2.2989, 9.3515
Hunter-Lab	69.8994, 3.6329, 0.8527

# Details

The Yxy color  $48.8593, 0.3185, 0.3155$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $53.8032, 0.3074, 0.3429$ , and the grayscale version is  $49.8784, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.6057, 0.3179, 0.3184$ , and  $23.2317, 0.3194, 0.3107$  is the 20% darker color. If you saturate the color by 10%, you get  $41.0686, 0.3264, 0.2991$ , and if you desaturate by 10%, it is  $57.8135, 0.3118, 0.3312$ .

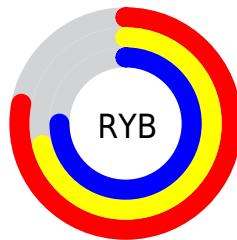
# Distribution



Red (78%)

Green (71%)

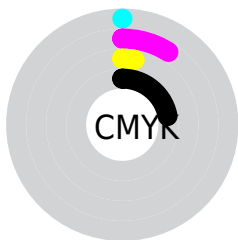
Blue (75%)



Red (78%)

Yellow (71%)

Blue (75%)

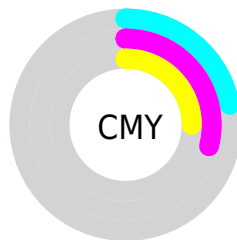


Cyan (0%)

Magenta (9%)

Yellow (3%)

Black (22%)



Cyan (22%)

Magenta (29%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.8593, 0.3185, 0.3155 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 48.8593, 0.3185, 0.3155 by changing the saturation by 10% instead.





 48.8593, 0.3185,  
0.3155

 48.8593, 0.3185,  
0.3155


382.1882, 0.3157,  
0.3221

 34.5079, 0.3192,  
0.3139


 88.4824, 0.3175,  
0.3179

 23.2840, 0.3201,  
0.3118


114.5230, 0.3171,  
0.3188

 14.8034, 0.3212,  
0.3091


145.2286, 0.3168,  
0.3196

 8.6815, 0.3228,  
0.3054

180.9839, 0.3165,  
0.3202

 4.5340, 0.3251,  
0.2999

222.1730, 0.3162,  
0.3208

 1.9766, 0.3288,  
0.2912

269.1805, 0.3160,

 0.5938, 0.3398,

0.3213

0.2657

322.3908, 0.3158,  
0.3217

0.0000, 0.0000,  
0.0000

48.8593, 0.3185,  
0.3155

48.8593, 0.3185,  
0.3155

41.0686, 0.3264,  
0.2991

57.8135, 0.3118,  
0.3312

34.3867, 0.3357,  
0.2822

67.9702, 0.3063,  
0.3459

28.7643, 0.3465,  
0.2655

79.3744, 0.3016,  
0.3595

24.1454, 0.3588,  
0.2496

88.6983, 0.2977,  
0.3669

20.4694, 0.3726,  
0.2355

89.0790, 0.2939,  
0.3590

■ 17.6685, 0.3875,  
0.2244

■ 89.4756, 0.2902,  
0.3512

■ 15.6662, 0.4031,  
0.2173

■ 89.8882, 0.2865,  
0.3436

■ 14.3725, 0.4189,  
0.2149

■ 90.3171, 0.2829,  
0.3361

■ 13.6433, 0.4344,  
0.2174

■ 90.7459, 0.2794,  
0.3289

# Harmonies

## Analogous

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



48.8593, 0.3064, 0.3099



48.8593, 0.3185, 0.3155



48.8593, 0.3292, 0.3246

# Triad

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



48.8593, 0.3185, 0.3155



48.8593, 0.3293, 0.3493



48.8593, 0.2905, 0.3223

# Complementary

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



48.8593, 0.3185, 0.3155



53.8032, 0.3074, 0.3429

# 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.



48.8593, 0.2964, 0.3332



48.8593, 0.3185, 0.3155



48.8593, 0.3187, 0.3491

# Square

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



48.8593, 0.3185, 0.3155



48.8593, 0.3355, 0.3441



48.8593, 0.3067, 0.3431



48.8593, 0.2904, 0.3135



# Rectangle

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



48.8593, 0.3185, 0.3155



48.8593, 0.3340, 0.3315



48.8593, 0.3067, 0.3431



48.8593, 0.2919, 0.3259

# Sweetspot

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



48.8614, 0.3185, 0.3155



95.0420, 0.3147, 0.3243



47.6877, 0.3045, 0.3076



20.0664, 0.3152, 0.3230



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.



48.8614, 0.3185, 0.3155



84.2261, 0.3197, 0.3130



48.4993, 0.3253, 0.3259



10.7502, 0.3191, 0.3142



8.8325, 0.4346, 0.2168



0.4316, 0.4051, 0.2005



# Inverse Universe

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



48.8614, 0.3185, 0.3155



84.2261, 0.3197, 0.3130



54.1741, 0.3014, 0.3322



10.7502, 0.3191, 0.3142



8.8325, 0.4346, 0.2168

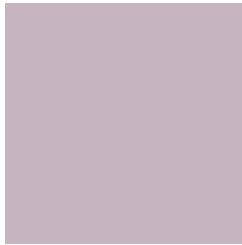


0.4316, 0.4051, 0.2005



# Previews

## White Background



This preview shows how the Yxy color 48.8593, 0.3185, 0.3155 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

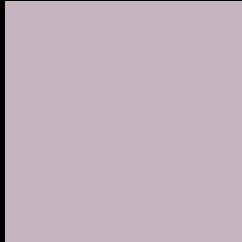
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.8593, 0.3185, 0.3155 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

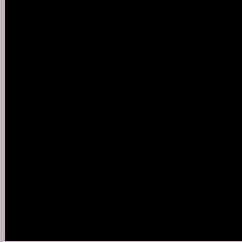
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.8593, 0.3185, 0.3155**

## Background



This preview shows how black text looks on a background with the Yxy color 48.8593, 0.3185, 0.3155.



This preview shows how white text looks on a background with the Yxy color 48.8593, 0.3185, 0.3155.

# 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

48.8593, 0.3185, 0.3155

### Protanopia

49.1578, 0.3074, 0.3176

### Deuteranopia

48.8658, 0.3211, 0.3143



## Tritanopia

48.9936, 0.3161, 0.3118

# Trichromacy



## Original Color

48.8593, 0.3185, 0.3155

## Protanomaly

49.2076, 0.3116, 0.3177

## Deuteranomaly

48.7276, 0.3203, 0.3143

## Tritanomaly

48.9486, 0.3169, 0.3130

# Monochromacy



## Original Color

48.8593, 0.3185, 0.3155

## Achromatopsia

49.6933, 0.3127, 0.3290

## Achromatomaly

49.4484, 0.3146, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.8593, 0.3185, 0.3155 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(198, 181, 192)` looks like.

```
.text, #text, p{  
    color:rgb(198, 181, 192)  
}
```

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(198, 181, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 181, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 48.8593, 0.3185, 0.3155 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(198, 181, 192) }
```

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

```
.border{ border-color:rgb(198, 181, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 181, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 181, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 181, 192);  
box-shadow:4px 4px 4px 4px rgb(198, 181,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.8593, 0.3185, 0.3155 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 181, 192) }
```

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

```
.background{ background-color: rgb(198,  
181, 192) }
```

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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