

# Converting Colors

Yxy(49.8872, 0.3101, 0.3155)

Have a look what the booklet for  
Yxy(49.8872, 0.3101, 0.3155)  
contains.

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# Color

**Yxy(49.8899, 0.3100, 0.3153)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C0B9C4
RGB	192, 185, 196
RGB Percent	75%, 73%, 77%
CMY	0.2471, 0.2745, 0.2312
CMYK	0.02, 0.06, 0.00, 0.23
HSL	278°, 9%, 75%
HSV	278°, 6%, 77%
XYZ	49.0513, 49.8899, 59.2888
YIQ	188.3470, 0.6410, 4.9050

# Conversions

## Conversions Part 2

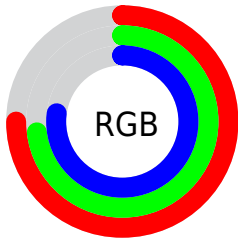
Format	Color
R <sub>Y</sub> B	192, 185, 196
Decimal	12630468
CIE Lab	76.00, 4.50, -4.69
CIE LCh	76, 6.503, 313.784
Yxy	49.8899, 0.3100, 0.3153
Android (android.graphics.Color)	4290820548 (0xFFC0B9C4)
YUV	188.3470, 3.7729, 3.2037
Hunter-Lab	70.6328, 0.3528, -0.3247

# Details

The Yxy color  $49.8899, 0.3100, 0.3153$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $53.8240, 0.3153, 0.3428$ , and the grayscale version is  $50.4759, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $89.9589, 0.3100, 0.3173$ , and  $23.9445, 0.3101, 0.3122$  is the 20% darker color. If you saturate the color by 10%, you get  $41.3311, 0.3045, 0.2896$ , and if you desaturate by 10%, it is  $59.6297, 0.3146, 0.3392$ .

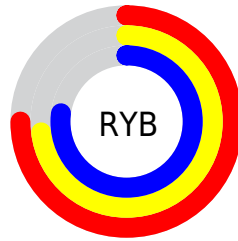
# Distribution



Red (75%)

Green (73%)

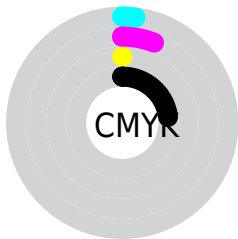
Blue (77%)



Red (75%)

Yellow (73%)

Blue (77%)

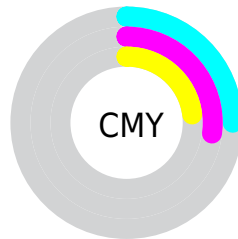


Cyan (2%)

Magenta (6%)

Yellow (0%)

Black (23%)



Cyan (25%)

Magenta (27%)


Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8899, 0.3100, 0.3153 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 49.8899, 0.3100, 0.3153 by changing the saturation by 10% instead.





 49.8899, 0.3100,  
0.3153

 49.8899, 0.3100,  
0.3153


386.2352, 0.3114,  
0.3220

 35.3259, 0.3097,  
0.3137


 90.0117, 0.3105,  
0.3177

 23.9140, 0.3092,  
0.3116


116.3384, 0.3107,  
0.3186

 15.2699, 0.3086,  
0.3088


147.3547, 0.3108,  
0.3194

 9.0090, 0.3078,  
0.3051

183.4451, 0.3110,  
0.3201

 4.7471, 0.3065,  
0.2996

224.9939, 0.3111,  
0.3207

 2.0996, 0.3044,  
0.2909

272.3856, 0.3112,

 0.6644, 0.3014,

0.3212

0.2701

326.0046, 0.3113,  
0.3216

0.0000, 0.0000,  
0.0000

49.8899, 0.3100,  
0.3153

49.8899, 0.3100,  
0.3153

41.3311, 0.3045,  
0.2896

59.6297, 0.3146,  
0.3392

33.9003, 0.2980,  
0.2625

70.5882, 0.3185,  
0.3612

27.5499, 0.2905,  
0.2346

82.8091, 0.3216,  
0.3812

22.2262, 0.2822,  
0.2068

90.8422, 0.3252,  
0.3914

17.8710, 0.2730,  
0.1801

91.9942, 0.3298,  
0.3905

■ 14.4201, 0.2633,  
0.1559

■ 93.1952, 0.3345,  
0.3895

■ 11.8010, 0.2533,  
0.1352

■ 94.4457, 0.3393,  
0.3886

■ 9.9300, 0.2435,  
0.1192

■ 95.7464, 0.3441,  
0.3877

■ 8.7036, 0.2342,  
0.1081

■ 96.7671, 0.3478,  
0.3870

# Harmonies

## Analogous

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



49.8899, 0.3019, 0.3139



49.8899, 0.3100, 0.3153



49.8899, 0.3190, 0.3202

# Triad

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



49.8899, 0.3100, 0.3153



49.8899, 0.3290, 0.3414



49.8899, 0.2993, 0.3304

# Complementary

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



49.8899, 0.3100, 0.3153



53.8240, 0.3153, 0.3428

# 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.



49.8899, 0.3064, 0.3381



49.8899, 0.3100, 0.3153



49.8899, 0.3236, 0.3444

# Square

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



49.8899, 0.3100, 0.3153



49.8899, 0.3300, 0.3352



49.8899, 0.3153, 0.3432



49.8899, 0.2957, 0.3225



# Rectangle

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



49.8899, 0.3100, 0.3153



49.8899, 0.3242, 0.3249



49.8899, 0.3153, 0.3432



49.8899, 0.3013, 0.3331

# Sweetspot

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



49.8920, 0.3100, 0.3153



96.4358, 0.3118, 0.3241



50.7977, 0.3042, 0.3204



20.6786, 0.3118, 0.3244



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.



49.8920, 0.3100, 0.3153



87.9139, 0.3092, 0.3116



50.3693, 0.3144, 0.3170



10.4132, 0.3090, 0.3106



5.3678, 0.2315, 0.1049



0.2699, 0.2517, 0.1160



# Inverse Universe

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



50.1170, 0.3188, 0.3240



88.4288, 0.3205, 0.3227



53.3679, 0.3111, 0.3413



10.4779, 0.3210, 0.3223



7.8561, 0.5485, 0.2795



0.3528, 0.4869, 0.2456



# Previews

## White Background



This preview shows how the Yxy color 49.8899, 0.3100, 0.3153 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 49.8899, 0.3100, 0.3153 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

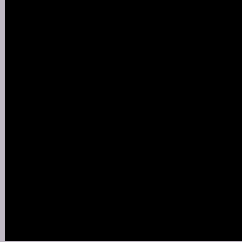
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.8899, 0.3100, 0.3153**

## **Background**



This preview shows how black text looks on a background with the Yxy color 49.8899, 0.3100, 0.3153.

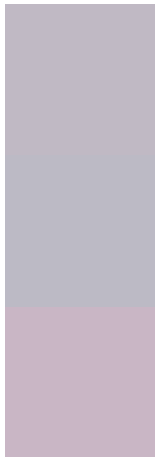


This preview shows how white text looks on a background with the Yxy color 49.8899, 0.3100, 0.3153.

# 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

49.8899, 0.3100, 0.3153

### Protanopia

49.8404, 0.3060, 0.3152

### Deuteranopia

49.9046, 0.3170, 0.3108



## Tritanopia

50.0279, 0.3077, 0.3117

# Trichromacy



## Original Color

49.8899, 0.3100, 0.3153

## Protanomaly

49.9678, 0.3068, 0.3153

## Deuteranomaly

49.9040, 0.3144, 0.3119

## Tritanomaly

49.9816, 0.3085, 0.3129

# Monochromacy



## Original Color

49.8899, 0.3100, 0.3153

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.1211, 0.3113, 0.3240

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.8899, 0.3100, 0.3153 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(192, 185, 196)` looks like.

```
.text, #text, p{  
    color:rgb(192, 185, 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(192, 185, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 185, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 49.8899, 0.3100, 0.3153 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(192, 185, 196) }
```

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

```
.border{ border-color:rgb(192, 185, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 185, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 185, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 185, 196);  
box-shadow:4px 4px 4px 4px rgb(192, 185,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.8899, 0.3100, 0.3153 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 185, 196) }
```

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

```
.background{ background-color: rgb(192,  
185, 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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