

# Converting Colors

$Yxy(49.8662, 0.3367, 0.3354)$

Have a look what the booklet for  
Yxy(49.8662, 0.3367, 0.3354)  
contains.

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# Color

**Yxy(49.6094, 0.3368, 0.3352)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CDB6B1
RGB	205, 182, 177
RGB Percent	80%, 71%, 69%
CMY	0.1960, 0.2863, 0.3059
CMYK	0.00, 0.11, 0.14, 0.20
HSL	11°, 22%, 75%
HSV	11°, 14%, 80%
XYZ	49.8462, 49.6094, 48.5438
YIQ	188.3070, 15.3130, 3.3210

# Conversions

## Conversions Part 2

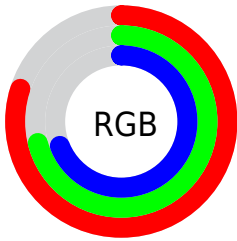
Format	Color
R <sub>Y</sub> B	205, 183, 177
Decimal	13481649
CIE Lab	75.83, 7.40, 5.54
CIE LCh	76, 9.242, 36.815
Yxy	49.6094, 0.3368, 0.3352
Android (android.graphics.Color)	4291671729 (0xFFCDB6B1)
YUV	188.3070, -5.5744, 14.6398
Hunter-Lab	70.4339, 3.0653, 8.4405

# Details

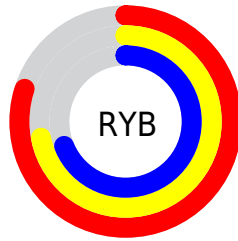
The Yxy color  $49.6094, 0.3368, 0.3352$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $55.0809, 0.2919, 0.3227$ , and the grayscale version is  $50.5016, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.2923, 0.3273, 0.3340$ , and  $23.7351, 0.3447, 0.3373$  is the 20% darker color. If you saturate the color by 10%, you get  $42.3633, 0.3589, 0.3401$ , and if you desaturate by 10%, it is  $57.8132, 0.3186, 0.3306$ .

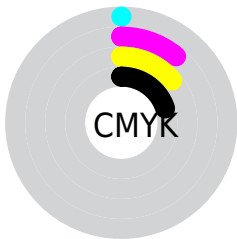
# Distribution



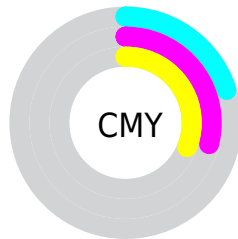
- Red (80%)
- Green (71%)
- Blue (69%)



- Red (80%)
- Yellow (72%)
- Blue (69%)



- Cyan (0%)
- Magenta (11%)
- Yellow (14%)
- Black (20%)



- Cyan (20%)
- Magenta (29%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 49.6094, 0.3368, 0.3352 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 49.6094, 0.3368, 0.3352 by changing the saturation by 10% instead.




 49.6094, 0.3368,  
0.3352

 49.6094, 0.3368,  
0.3352

385.1365, 0.3248,  
0.3322

 35.1031, 0.3398,  
0.3359


 89.5959, 0.3325,  
0.3342

 23.7423, 0.3436,  
0.3368


115.8449, 0.3308,  
0.3338

 15.1426, 0.3486,  
0.3379


146.7769, 0.3294,  
0.3334

 8.9195, 0.3557,  
0.3394

182.7764, 0.3283,  
0.3331

 4.6887, 0.3661,  
0.3414

224.2277, 0.3272,  
0.3329

 2.0658, 0.3832,  
0.3444

271.5152, 0.3263,

 0.6453, 0.4525,

0.3326

0.3678

325.0233, 0.3255,  
0.3324

0.0000, 0.0000,  
0.0000

49.6094, 0.3368,  
0.3352

49.6094, 0.3368,  
0.3352

42.3633, 0.3589,  
0.3401

57.8132, 0.3186,  
0.3306

36.0335, 0.3856,  
0.3451

67.0010, 0.3035,  
0.3264

30.5851, 0.4173,  
0.3499

77.2065, 0.2911,  
0.3225

25.9789, 0.4542,  
0.3540

88.1984, 0.2829,  
0.3231

22.1723, 0.4951,  
0.3566

91.7231, 0.2833,  
0.3289

■ 19.1190, 0.5374,  
0.3569

■ 16.7678, 0.5767,  
0.3542

■ 15.0610, 0.6077,  
0.3483

■ 14.2772, 0.6224,  
0.3440

# Harmonies

## Analogous

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



49.6094, 0.3301, 0.3242



49.6094, 0.3368, 0.3352



49.6094, 0.3369, 0.3449

# Triad

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



49.6094, 0.3368, 0.3352



49.6094, 0.3065, 0.3441



49.6094, 0.2951, 0.3079

# Complementary

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



49.6094, 0.3368, 0.3352



55.0809, 0.2919, 0.3227

# 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.



49.6094, 0.2891, 0.3127



49.6094, 0.3368, 0.3352



49.6094, 0.2955, 0.3336

# Square

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



49.6094, 0.3368, 0.3352



49.6094, 0.3192, 0.3503



49.6094, 0.2892, 0.3220



49.6094, 0.3059, 0.3087



# Rectangle

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



49.6094, 0.3368, 0.3352



49.6094, 0.3332, 0.3492



49.6094, 0.2892, 0.3220



49.6094, 0.2925, 0.3089

# Sweetspot

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



49.6116, 0.3368, 0.3352



94.1281, 0.3192, 0.3308



48.6150, 0.3181, 0.3010



19.9173, 0.3205, 0.3311



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

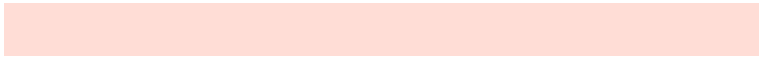


# Same Dimension

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



49.6116, 0.3368, 0.3352



78.0865, 0.3420, 0.3364



55.4958, 0.3345, 0.3517



11.5315, 0.3286, 0.3332



8.9851, 0.6203, 0.3456



0.5648, 0.5845, 0.3741



# Inverse Universe

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



55.0809, 0.2919, 0.3227



88.5154, 0.2881, 0.3215



49.0194, 0.2914, 0.3053



12.3737, 0.2983, 0.3248



20.4136, 0.2088, 0.2715



1.1444, 0.2122, 0.2839



# Previews

## White Background



This preview shows how the Yxy color 49.6094, 0.3368, 0.3352 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

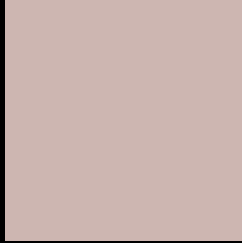
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 49.6094, 0.3368, 0.3352 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

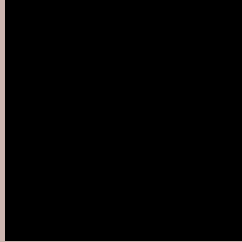
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 49.6094, 0.3368, 0.3352**

## Background



This preview shows how black text looks on a background with the Yxy color 49.6094, 0.3368, 0.3352.



This preview shows how white text looks on a background with the Yxy color 49.6094, 0.3368, 0.3352.

# 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

49.6094, 0.3368, 0.3352

### Protanopia

49.5790, 0.3233, 0.3379

### Deuteranopia

49.7774, 0.3405, 0.3339



## Tritanopia

49.4006, 0.3248, 0.3110

# Trichromacy



## Original Color

49.6094, 0.3368, 0.3352

## Protanomaly

49.7826, 0.3285, 0.3378

## Deuteranomaly

49.6320, 0.3396, 0.3340

## Tritanomaly

49.3952, 0.3288, 0.3193

# Monochromacy



## Original Color

49.6094, 0.3368, 0.3352

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

50.0478, 0.3210, 0.3315

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 49.6094, 0.3368, 0.3352 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(205, 182, 177)` looks like.

```
.text, #text, p{  
    color:rgb(205, 182, 177)  
}
```

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(205, 182, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 182, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 49.6094, 0.3368, 0.3352 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(205, 182, 177) }
```

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

```
.border{ border-color:rgb(205, 182, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 182, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 182, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 182, 177);  
box-shadow:4px 4px 4px 4px rgb(205, 182,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 49.6094, 0.3368, 0.3352 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 182, 177) }
```

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

```
.background{ background-color: rgb(205,  
182, 177) }
```

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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