

# Converting Colors

$Yxy(48.7702, 0.3162, 0.3094)$

Have a look what the booklet for  
Yxy(48.7702, 0.3162, 0.3094)  
contains.

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# Color

**Yxy(48.7702, 0.3162, 0.3094)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7B4C4
RGB	199, 180, 196
RGB Percent	78%, 71%, 77%
CMY	0.2195, 0.2941, 0.2313
CMYK	0.00, 0.10, 0.02, 0.22
HSL	309°, 15%, 74%
HSV	309°, 10%, 78%
XYZ	49.8421, 48.7702, 59.0160
YIQ	187.5050, 6.1880, 9.0040

# Conversions

## Conversions Part 2

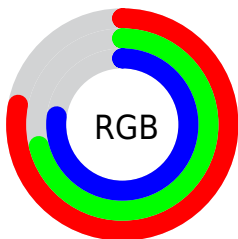
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	199, 180, 196
Decimal	13087940
CIE Lab	75.31, 9.63, -5.64
CIE LCh	75, 11.162, 329.653
Yxy	48.7702, 0.3162, 0.3094
Android (android.graphics.Color)	4291278020 (0xFFC7B4C4)
YUV	187.5050, 4.1880, 10.0811
Hunter-Lab	69.8357, 5.1840, -1.2192

# Details

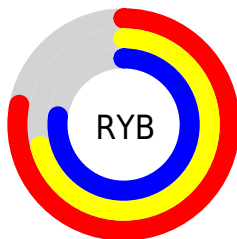
The Yxy color  $48.7702, 0.3162, 0.3094$  is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be  $53.9768, 0.3094, 0.3494$ , and the grayscale version is  $49.9698, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $88.3428, 0.3148, 0.3126$ , and  $23.1515, 0.3174, 0.3043$  is the 20% darker color. If you saturate the color by 10%, you get  $41.1638, 0.3204, 0.2882$ , and if you desaturate by 10%, it is  $57.5376, 0.3126, 0.3299$ .

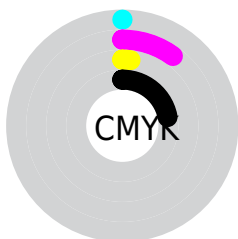
# Distribution



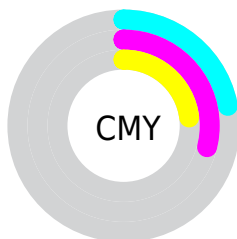
- Red (78%)
- Green (71%)
- Blue (77%)



- Red (78%)
- Yellow (71%)
- Blue (77%)



- Cyan (0%)
- Magenta (10%)
- Yellow (2%)
- Black (22%)




- Cyan (22%)
- Magenta (29%)
- Yellow (23%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 48.7702, 0.3162, 0.3094 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 48.7702, 0.3162, 0.3094 by changing the saturation by 10% instead.





 48.7702, 0.3162,  
0.3094

 48.7702, 0.3162,  
0.3094


381.8369, 0.3145,  
0.3190

 34.4372, 0.3166,  
0.3071


 88.3501, 0.3156,  
0.3128

 23.2297, 0.3171,  
0.3041


114.3657, 0.3154,  
0.3141

 14.7632, 0.3177,  
0.3002


145.0444, 0.3152,  
0.3153

 8.6534, 0.3186,  
0.2949

180.7705, 0.3150,  
0.3162

 4.5158, 0.3197,  
0.2872

221.9284, 0.3149,  
0.3170

 1.9661, 0.3215,  
0.2750

268.9025, 0.3148,

 0.5876, 0.3284,

0.3178


0.2431


322.0772, 0.3146,  
0.3184

 0.0000, 0.0000,  
0.0000

 48.7702, 0.3162,  
0.3094


 48.7702, 0.3162,  
0.3094


 41.1638, 0.3204,  
0.2882


 57.5376, 0.3126,  
0.3299


 34.6630, 0.3251,  
0.2668

 67.5056, 0.3094,  
0.3493


 29.2175, 0.3303,  
0.2460

 78.7198, 0.3067,  
0.3675

 24.7706, 0.3359,  
0.2264

 88.2480, 0.3046,  
0.3797

 21.2602, 0.3419,  
0.2093

 88.4050, 0.3028,  
0.3762

■ 18.6175, 0.3480,  
0.1954

■ 88.5652, 0.3011,  
0.3726

■ 16.7639, 0.3540,  
0.1856

■ 88.7284, 0.2994,  
0.3691

■ 15.6068, 0.3599,  
0.1803

■ 88.8948, 0.2977,  
0.3656

■ 14.9790, 0.3654,  
0.1788

■ 89.0643, 0.2960,  
0.3621

# Harmonies

## Analogous

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



48.7702, 0.3009, 0.3036



48.7702, 0.3162, 0.3094



48.7702, 0.3309, 0.3201

# Triad

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



48.7702, 0.3162, 0.3094



48.7702, 0.3367, 0.3541



48.7702, 0.2855, 0.3237

# Complementary

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



48.7702, 0.3162, 0.3094



53.9768, 0.3094, 0.3494

# 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.



48.7702, 0.2946, 0.3379



48.7702, 0.3162, 0.3094



48.7702, 0.3241, 0.3558

# Square

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



48.7702, 0.3162, 0.3094



48.7702, 0.3429, 0.3457



48.7702, 0.3087, 0.3499



48.7702, 0.2834, 0.3114



# Rectangle

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



48.7702, 0.3162, 0.3094



48.7702, 0.3382, 0.3288



48.7702, 0.3087, 0.3499



48.7702, 0.2878, 0.3284

# Sweetspot

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



48.7723, 0.3162, 0.3094



95.1381, 0.3138, 0.3229



46.8153, 0.3003, 0.3048



20.0923, 0.3141, 0.3212



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.



48.7723, 0.3162, 0.3094



83.1084, 0.3168, 0.3060



48.3595, 0.3238, 0.3208



10.7867, 0.3161, 0.3098



9.6251, 0.3650, 0.1784



0.4637, 0.3543, 0.1726



# Inverse Universe

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



48.7723, 0.3162, 0.3094



83.1084, 0.3168, 0.3060



54.3795, 0.3028, 0.3374



10.7867, 0.3161, 0.3098



9.6251, 0.3650, 0.1784



0.4637, 0.3543, 0.1726



# Previews

## White Background



This preview shows how the Yxy color 48.7702, 0.3162, 0.3094 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

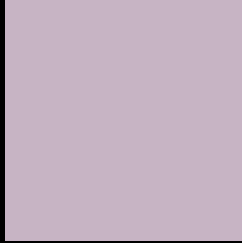
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 48.7702, 0.3162, 0.3094 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

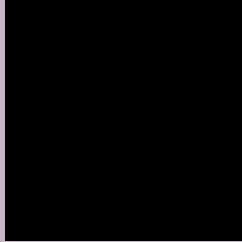
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 48.7702, 0.3162, 0.3094**

## Background



This preview shows how black text looks on a background with the Yxy color 48.7702, 0.3162, 0.3094.



This preview shows how white text looks on a background with the Yxy color 48.7702, 0.3162, 0.3094.

# 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

48.7702, 0.3162, 0.3094

### Protanopia

48.7188, 0.3021, 0.3101

### Deuteranopia

48.7702, 0.3162, 0.3094



## Tritanopia

48.6797, 0.3178, 0.3118

# Trichromacy



## Original Color

48.7702, 0.3162, 0.3094

## Protanomaly

48.8913, 0.3069, 0.3103

## Deuteranomaly

48.7702, 0.3162, 0.3094

## Tritanomaly

48.7248, 0.3170, 0.3106

# Monochromacy



## Original Color

48.7702, 0.3162, 0.3094

## Achromatopsia

50.2886, 0.3127, 0.3290

## Achromatomaly

49.6660, 0.3139, 0.3215

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 48.7702, 0.3162, 0.3094 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(199, 180, 196)` looks like.

```
.text, #text, p{  
    color:rgb(199, 180, 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(199, 180, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 180, 196) }
```

## Border

The CSS property to change the border of an element to Yxy 48.7702, 0.3162, 0.3094 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(199, 180, 196) }
```

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

```
.border{ border-color:rgb(199, 180, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 180, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 180, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 180, 196);  
box-shadow:4px 4px 4px 4px rgb(199, 180,  
196) }
```



# Background

The CSS property to change the background color of an element to Yxy 48.7702, 0.3162, 0.3094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 180, 196) }
```

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

```
.background{ background-color: rgb(199,  
180, 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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