

# Converting Colors

$Y_{xy}(30.5416, 0.3916, 0.3379)$

Have a look what the booklet for  
Yxy(30.5416, 0.3916, 0.3379)  
contains.

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# Color

**Yxy(30.4790, 0.3923, 0.3373)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C58680
RGB	197, 134, 128
RGB Percent	77%, 53%, 50%
CMY	0.2274, 0.4745, 0.4981
CMYK	0.00, 0.32, 0.35, 0.23
HSL	5°, 37%, 64%
HSV	5°, 35%, 77%
XYZ	35.4489, 30.4790, 24.4338
YIQ	152.1530, 39.4740, 11.4900

# Conversions

## Conversions Part 2

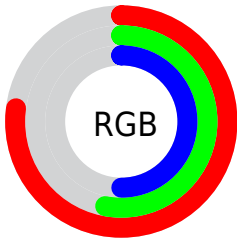
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	197, 135, 128
Decimal	12945024
CIE Lab	62.07, 23.42, 13.06
CIE LCh	62, 26.814, 29.144
Yxy	30.4790, 0.3923, 0.3373
Android (android.graphics.Color)	4291135104 (0xFFC58680)
YUV	152.1530, -11.9074, 39.3308
Hunter-Lab	55.2078, 18.0011, 12.4049

# Details

The Yxy color **30.4790, 0.3923, 0.3373** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **45.8828, 0.2627, 0.3204**, and the grayscale version is **31.5092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5626, 0.3754, 0.3365**, and **12.5679, 0.4192, 0.3384** is the 20% darker color. If you saturate the color by 10%, you get **25.4549, 0.4269, 0.3396**, and if you desaturate by 10%, it is **36.4523, 0.3635, 0.3348**.

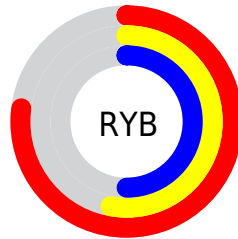
# Distribution



Red (77%)

Green (53%)

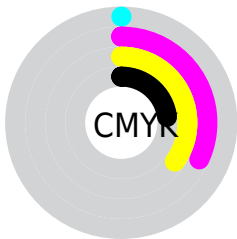
Blue (50%)



Red (77%)

Yellow (53%)

Blue (50%)

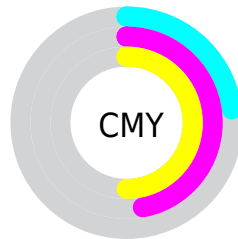


Cyan (0%)

Magenta (32%)

Yellow (35%)

Black (23%)



Cyan (23%)

Magenta (47%)


Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.4790, 0.3923, 0.3373 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 30.4790, 0.3923, 0.3373 by changing the saturation by 10% instead.





 30.4790, 0.3923,  
0.3373


 30.4790, 0.3923,  
0.3373


304.1308, 0.3493,  
0.3340

 20.2024, 0.4042,  
0.3377


 60.4189, 0.3759,  
0.3364

 12.5423, 0.4201,  
0.3380


 80.8510, 0.3699,  
0.3359

 7.1141, 0.4425,  
0.3377


 105.4370, 0.3650,  
0.3355

 3.5336, 0.4763,  
0.3358

134.5615, 0.3609,  
0.3352

 1.4162, 0.5390,  
0.3335

168.6087, 0.3573,  
0.3348

 0.2286, 0.7753,  
0.2247


207.9631, 0.3543,


 0.0000, 0.0000,


0.3345

0.0000


253.0090, 0.3516,  
0.3343


 30.4790, 0.3923,  
0.3373


 30.4790, 0.3923,  
0.3373


 25.4549, 0.4269,  
0.3396

 36.4523, 0.3635,  
0.3348


 21.3269, 0.4673,  
0.3415


 43.4156, 0.3400,  
0.3324


 18.0436, 0.5119,  
0.3425

 51.4125, 0.3209,  
0.3301

 15.5465, 0.5569,  
0.3420

 60.4828, 0.3054,  
0.3280

 13.7695, 0.5964,  
0.3399

 70.6642, 0.2928,  
0.3260

 12.6357, 0.6242,  
0.3363

 81.9924, 0.2825,  
0.3243

 12.2773, 0.6338,  
0.3350

 90.6117, 0.2789,  
0.3289

# Harmonies

## Analogous

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



30.4790, 0.3631, 0.3035



30.4790, 0.3923, 0.3373



30.4790, 0.3981, 0.3715

# Triad

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



30.4790, 0.3923, 0.3373



30.4790, 0.3006, 0.3912



30.4790, 0.2476, 0.2615

# Complementary

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



30.4790, 0.3923, 0.3373



45.8828, 0.2627, 0.3204

# 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.



30.4790, 0.2338, 0.2788



30.4790, 0.3923, 0.3373



30.4790, 0.2627, 0.3546

# Square

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



30.4790, 0.3923, 0.3373



30.4790, 0.3434, 0.4069



30.4790, 0.2390, 0.3122



30.4790, 0.2784, 0.2613



# Rectangle

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



30.4790, 0.3923, 0.3373



30.4790, 0.3882, 0.3905



30.4790, 0.2390, 0.3122



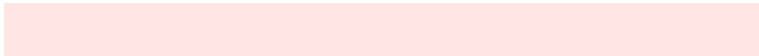
30.4790, 0.2410, 0.2653

# Sweetspot

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



30.4805, 0.3923, 0.3373



83.0590, 0.3322, 0.3315



31.0811, 0.3225, 0.2495



17.3663, 0.3349, 0.3318



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.



30.4805, 0.3923, 0.3373



47.5846, 0.4181, 0.3391



41.5288, 0.3767, 0.3818



10.7829, 0.3287, 0.3311



8.1273, 0.6326, 0.3359



0.4372, 0.6091, 0.3546



# Inverse Universe

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



45.8828, 0.2627, 0.3204



79.2215, 0.2535, 0.3183



32.6497, 0.2559, 0.2695



11.9035, 0.2984, 0.3269



24.1441, 0.2172, 0.3018



1.1908, 0.2189, 0.3079



# Previews

## White Background



This preview shows how the Yxy color 30.4790, 0.3923, 0.3373 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

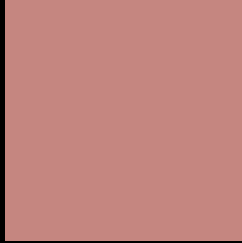
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.4790, 0.3923, 0.3373 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 30.4790, 0.3923, 0.3373**

## Background



This preview shows how black text looks on a background with the Yxy color 30.4790, 0.3923, 0.3373.



This preview shows how white text looks on a background with the Yxy color 30.4790, 0.3923, 0.3373.

# 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

30.4790, 0.3923, 0.3373

### Protanopia

30.6582, 0.3325, 0.3508

### Deuteranopia

30.6414, 0.3629, 0.3572



## Tritanopia

30.4613, 0.3777, 0.3159

# Trichromacy



**Original Color**

30.4790, 0.3923, 0.3373

**Protanomaly**

30.2979, 0.3535, 0.3455

**Deuteranomaly**

30.5271, 0.3734, 0.3492

**Tritanomaly**

30.5870, 0.3832, 0.3239

# Monochromacy



**Original Color**

30.4790, 0.3923, 0.3373

**Achromatopsia**

31.3989, 0.3127, 0.3290

**Achromatomaly**

30.5588, 0.3394, 0.3321

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.4790, 0.3923, 0.3373 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(197, 134, 128)` looks like.

```
.text, #text, p{  
    color:rgb(197, 134, 128)  
}
```

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(197, 134, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(197, 134, 128) }
```

## Border

The CSS property to change the border of an element to Yxy 30.4790, 0.3923, 0.3373 is called "border". The border property can be set on classes, ids or directly on the HTML element.

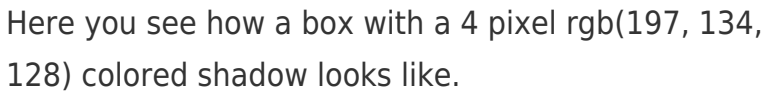
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(197, 134, 128) }
```

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

```
.border{ border-color:rgb(197, 134, 128) }
```

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



Here you see how a box with a 4 pixel `rgb(197, 134, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(197, 134, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(197, 134, 128); box-shadow:4px 4px 4px 4px rgb(197, 134, 128) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.4790, 0.3923, 0.3373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(197, 134, 128) }
```

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

```
.background{ background-color: rgb(197,  
134, 128) }
```

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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