

# Converting Colors

$Y_{xy}(40.7494, 0.3408, 0.3189)$

Have a look what the booklet for  
Yxy(40.7494, 0.3408, 0.3189)  
contains.

<b>Yxy(40.8851, 0.3410, 0.3188)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(40.8851, 0.3410, 0.3188)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C7A2AA
RGB	199, 162, 170
RGB Percent	78%, 64%, 67%
CMY	0.2196, 0.3647, 0.3332
CMYK	0.00, 0.19, 0.15, 0.22
HSL	347°, 25%, 71%
HSV	347°, 19%, 78%
XYZ	43.7322, 40.8851, 43.6296
YIQ	173.9750, 19.4840, 10.3320

# Conversions

## Conversions Part 2

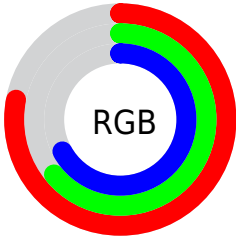
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	199, 162, 170
Decimal	13083306
CIE Lab	70.10, 14.90, 0.99
CIE LCh	70, 14.936, 3.812
Yxy	40.8851, 0.3410, 0.3188
Android (android.graphics.Color)	4291273386 (0xFFC7A2AA)
YUV	173.9750, -1.9597, 21.9469
Hunter-Lab	63.9415, 10.1859, 4.3033

# Details

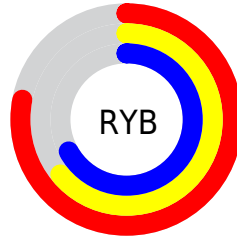
The Yxy color **40.8851, 0.3410, 0.3188** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **52.2916, 0.2904, 0.3395**, and the grayscale version is **42.3186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3220, 0.3350, 0.3210**, and **18.4796, 0.3501, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **33.8664, 0.3614, 0.3129**, and if you desaturate by 10%, it is **49.0868, 0.3244, 0.3244**.

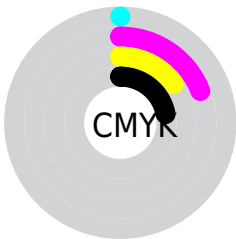
# Distribution



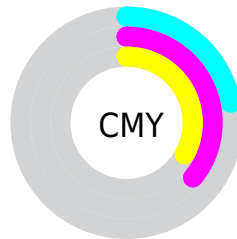
- Red (78%)
- Green (64%)
- Blue (67%)



- Red (78%)
- Yellow (64%)
- Blue (67%)



- Cyan (0%)
- Magenta (19%)
- Yellow (15%)
- Black (22%)




- Cyan (22%)
- Magenta (36%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8851, 0.3410, 0.3188 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 40.8851, 0.3410, 0.3188 by changing the saturation by 10% instead.




 40.8851, 0.3410,  
0.3188


 40.8851, 0.3410,  
0.3188


349.8402, 0.3265,  
0.3241

 28.2293, 0.3447,  
0.3174


 76.5094, 0.3357,  
0.3208

 18.4986, 0.3496,  
0.3156


 100.2468, 0.3337,  
0.3215

 11.3085, 0.3562,  
0.3132


128.4468, 0.3320,  
0.3221

 6.2748, 0.3656,  
0.3097

161.4938, 0.3306,  
0.3226

 3.0129, 0.3803,  
0.3041

199.7723, 0.3294,  
0.3230

 1.1385, 0.4062,  
0.2942


243.6665, 0.3283,


 0.0106, 0.9725,


0.3234

0.0275

293.5610, 0.3274,  
0.3238


 0.0000, 0.0000,  
0.0000


 40.8851, 0.3410,  
0.3188


 40.8851, 0.3410,  
0.3188


 33.8664, 0.3614,  
0.3129


 49.0868, 0.3244,  
0.3244

 27.9709, 0.3864,  
0.3071


 58.5171, 0.3110,  
0.3297


 23.1414, 0.4164,  
0.3018

 69.2255, 0.3001,  
0.3346

 19.3138, 0.4514,  
0.2976

 81.2577, 0.2912,  
0.3390

 16.4171, 0.4905,  
0.2956

 90.4370, 0.2836,  
0.3363

■ 14.3706, 0.5310,  
0.2966

■ 90.8829, 0.2800,  
0.3289

■ 13.0800, 0.5690,  
0.3013

■ 12.3958, 0.6001,  
0.3091

■ 12.3185, 0.6040,  
0.3101

# Harmonies

## Analogous

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



40.8851, 0.3206, 0.3032



40.8851, 0.3410, 0.3188



40.8851, 0.3538, 0.3373

# Triad

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



40.8851, 0.3410, 0.3188



40.8851, 0.3258, 0.3668



40.8851, 0.2720, 0.3019

# Complementary

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



40.8851, 0.3410, 0.3188



52.2916, 0.2904, 0.3395

# 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.



40.8851, 0.2733, 0.3184



40.8851, 0.3410, 0.3188



40.8851, 0.3038, 0.3570

# Square

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



40.8851, 0.3410, 0.3188



40.8851, 0.3447, 0.3656



40.8851, 0.2848, 0.3388



40.8851, 0.2811, 0.2933



# Rectangle

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



40.8851, 0.3410, 0.3188



40.8851, 0.3560, 0.3491



40.8851, 0.2848, 0.3388



40.8851, 0.2712, 0.3067

# Sweetspot

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



40.8869, 0.3410, 0.3188



89.8759, 0.3208, 0.3258



40.9595, 0.3071, 0.2823



19.0117, 0.3217, 0.3254



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.



40.8869, 0.3410, 0.3188



66.7674, 0.3481, 0.3166



44.2065, 0.3463, 0.3417



10.6740, 0.3256, 0.3240



7.9314, 0.6008, 0.3083



0.3867, 0.5413, 0.2756



# Inverse Universe

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



40.8869, 0.3410, 0.3188



66.7674, 0.3481, 0.3166



48.2596, 0.2844, 0.3159



10.6740, 0.3256, 0.3240



7.9314, 0.6008, 0.3083



0.3867, 0.5413, 0.2756



# Previews

## White Background



This preview shows how the Yxy color 40.8851, 0.3410, 0.3188 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

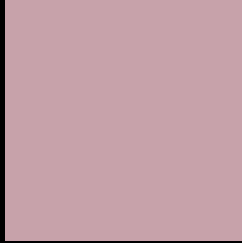
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 40.8851, 0.3410, 0.3188 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

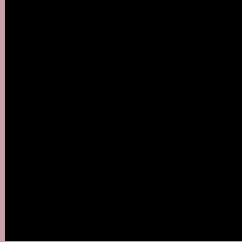
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 40.8851, 0.3410, 0.3188**

## **Background**



This preview shows how black text looks on a background with the Yxy color 40.8851, 0.3410, 0.3188.



This preview shows how white text looks on a background with the Yxy color 40.8851, 0.3410, 0.3188.

# 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

40.8851, 0.3410, 0.3188

### Protanopia

41.2196, 0.3121, 0.3236

### Deuteranopia

40.9558, 0.3317, 0.3251



## Tritanopia

40.6878, 0.3374, 0.3125

# Trichromacy



## Original Color

40.8851, 0.3410, 0.3188

## Protanomaly

41.0897, 0.3222, 0.3224

## Deuteranomaly

41.1123, 0.3356, 0.3239

## Tritanomaly

40.6490, 0.3384, 0.3137

# Monochromacy



## Original Color

40.8851, 0.3410, 0.3188

## Achromatopsia

42.3268, 0.3127, 0.3290

## Achromatomaly

41.8339, 0.3220, 0.3250

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 40.8851, 0.3410, 0.3188 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, 162, 170)` looks like.

```
.text, #text, p{  
    color:rgb(199, 162, 170)  
}
```

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, 162, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 162, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 40.8851, 0.3410, 0.3188 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, 162, 170) }
```

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

```
.border{ border-color:rgb(199, 162, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 162, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 162, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 162, 170);  
box-shadow:4px 4px 4px 4px rgb(199, 162,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 40.8851, 0.3410, 0.3188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 162, 170) }
```

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

```
.background{ background-color: rgb(199,  
162, 170) }
```

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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