

# Converting Colors

$Y_{xy}(31.4028, 0.3306, 0.2569)$

Have a look what the booklet for  
Yxy(31.4028, 0.3306, 0.2569)  
contains.

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**Color**

**Yxy(31.5250, 0.3310, 0.2574)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C881BA
RGB	200, 129, 186
RGB Percent	78%, 51%, 73%
CMY	0.2156, 0.4942, 0.2705
CMYK	0.00, 0.36, 0.07, 0.22
HSL	312°, 39%, 65%
HSV	312°, 36%, 78%
XYZ	40.5391, 31.5250, 50.4106
YIQ	156.7270, 24.0190, 32.7790

# Conversions

## Conversions Part 2

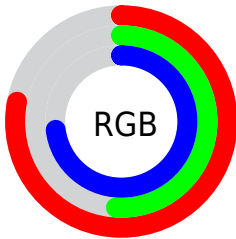
Format	Color
R <sub>Y</sub> B	200, 129, 186
Decimal	13140410
CIE Lab	62.95, 36.08, -18.60
CIE LCh	63, 40.590, 332.721
Yxy	31.5250, 0.3310, 0.2574
Android (android.graphics.Color)	4291330490 (0xFFC881BA)
YUV	156.7270, 14.4316, 37.9504
Hunter-Lab	56.1471, 30.6224, -13.9294

# Details

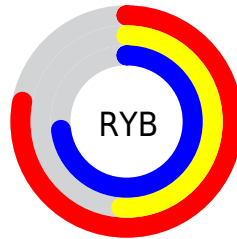
The Yxy color **31.5250, 0.3310, 0.2574** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **47.9709, 0.2987, 0.4133**, and the grayscale version is **33.5147, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.5378, 0.3259, 0.2702**, and **13.1620, 0.3355, 0.2370** is the 20% darker color. If you saturate the color by 10%, you get **26.5976, 0.3377, 0.2379**, and if you desaturate by 10%, it is **37.4912, 0.3250, 0.2778**.

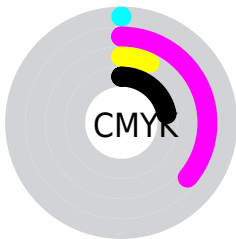
# Distribution



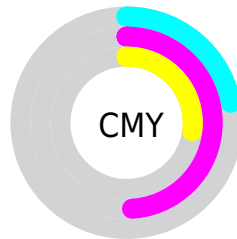
- Red (78%)
- Green (51%)
- Blue (73%)



- Red (78%)
- Yellow (51%)
- Blue (73%)



- Cyan (0%)
- Magenta (36%)
- Yellow (7%)
- Black (22%)




- Cyan (22%)
- Magenta (49%)
- Yellow (27%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 31.5250, 0.3310, 0.2574 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 31.5250, 0.3310, 0.2574 by changing the saturation by 10% instead.




 31.5250, 0.3310,  
0.2574


 31.5250, 0.3310,  
0.2574


308.9497, 0.3223,  
0.2933

 20.9989, 0.3330,  
0.2485


 62.0657, 0.3279,  
0.2704

 13.1232, 0.3356,  
0.2371


 82.8491, 0.3267,  
0.2753

 7.5135, 0.3387,  
0.2220


 107.8205, 0.3257,  
0.2795

 3.7852, 0.3428,  
0.2011

137.3641, 0.3248,  
0.2830

 1.5542, 0.3479,  
0.1709

171.8645, 0.3241,  
0.2861

 0.3264, 0.3649,  
0.0959

211.7059, 0.3234,


 0.0000, 0.2353,

0.2888

0.0000

257.2729, 0.3228,  
0.2912


 0.0000, 0.0000,  
0.0000

 31.5250, 0.3310,  
0.2574


 31.5250, 0.3310,  
0.2574

 26.5976, 0.3377,  
0.2379


 37.4912, 0.3250,  
0.2778


 22.6444, 0.3449,  
0.2203


 44.5477, 0.3196,  
0.2983

 19.5999, 0.3525,  
0.2055


 52.7473, 0.3150,  
0.3183

 17.3890, 0.3602,  
0.1945


 62.1385, 0.3110,  
0.3375


 15.9244, 0.3679,  
0.1879


 72.7668, 0.3076,  
0.3555


 15.0988, 0.3752,  
0.1859

 84.6753, 0.3047,  
0.3723

 14.8413, 0.3785,  
0.1859

 88.6396, 0.3024,  
0.3740

 88.8432, 0.3003,  
0.3695

 89.0518, 0.2981,  
0.3651

# Harmonies

## Analogous

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



31.5250, 0.2680, 0.2338



31.5250, 0.3310, 0.2574



31.5250, 0.3947, 0.2962

# Triad

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



31.5250, 0.3310, 0.2574



31.5250, 0.4043, 0.4327



31.5250, 0.2037, 0.2944

# Complementary

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



31.5250, 0.3310, 0.2574



47.9709, 0.2987, 0.4133

# 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.



31.5250, 0.2332, 0.3590



31.5250, 0.3310, 0.2574



31.5250, 0.3480, 0.4472

# Square

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



31.5250, 0.3310, 0.2574



31.5250, 0.4377, 0.3926



31.5250, 0.2854, 0.4202



31.5250, 0.2004, 0.2495



# Rectangle

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



31.5250, 0.3310, 0.2574



31.5250, 0.4256, 0.3274



31.5250, 0.2854, 0.4202



31.5250, 0.2107, 0.3145

# Sweetspot

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



31.5264, 0.3310, 0.2574



83.0396, 0.3175, 0.3071



25.6207, 0.2602, 0.2265



17.3641, 0.3182, 0.3043



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.



31.5264, 0.3310, 0.2574



47.5224, 0.3364, 0.2415



30.2307, 0.3697, 0.2997



10.7794, 0.3167, 0.3106



9.4466, 0.3775, 0.1853



0.4567, 0.3636, 0.1777



# Inverse Universe

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



31.5264, 0.3310, 0.2574



47.5224, 0.3364, 0.2415



49.1833, 0.2767, 0.3609



10.7794, 0.3167, 0.3106



9.4466, 0.3775, 0.1853



0.4567, 0.3636, 0.1777



# Previews

## White Background



This preview shows how the Yxy color 31.5250, 0.3310, 0.2574 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

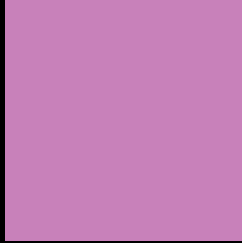
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 31.5250, 0.3310, 0.2574 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

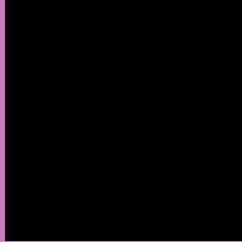
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 31.5250, 0.3310, 0.2574**

## **Background**



This preview shows how black text looks on a background with the Yxy color 31.5250, 0.3310, 0.2574.



This preview shows how white text looks on a background with the Yxy color 31.5250, 0.3310, 0.2574.

# 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

31.5250, 0.3310, 0.2574

### Protanopia

31.8865, 0.2599, 0.2559

### Deuteranopia

31.6446, 0.2870, 0.2810



## Tritanopia

31.6000, 0.3669, 0.3157

# Trichromacy



## Original Color

31.5250, 0.3310, 0.2574



## Protanomaly

31.2075, 0.2824, 0.2555



## Deuteranomaly

31.3109, 0.3023, 0.2720



## Tritanomaly

31.4937, 0.3541, 0.2936

# Monochromacy



## Original Color

31.5250, 0.3310, 0.2574



## Achromatopsia

33.7164, 0.3127, 0.3290



## Achromatomaly

32.5788, 0.3192, 0.2994

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 31.5250, 0.3310, 0.2574 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(200, 129, 186)` looks like.

```
.text, #text, p{  
    color:rgb(200, 129, 186)  
}
```

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(200, 129, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 129, 186) }
```

## Border

The CSS property to change the border of an element to Yxy 31.5250, 0.3310, 0.2574 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(200, 129, 186) }
```

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

```
.border{ border-color:rgb(200, 129, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 129, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 129, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 129, 186);  
box-shadow:4px 4px 4px 4px rgb(200, 129,  
186) }
```



# Background

The CSS property to change the background color of an element to Yxy 31.5250, 0.3310, 0.2574 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 129, 186) }
```

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

```
.background{ background-color: rgb(200,  
129, 186) }
```

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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