

# Converting Colors

$Y_{xy}(24.8006, 0.3423, 0.2454)$

Have a look what the booklet for  
Yxy(24.8006, 0.3423, 0.2454)  
contains.

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# Color

**Yxy(24.7931, 0.3430, 0.2458)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C16BAB
RGB	193, 107, 171
RGB Percent	76%, 42%, 67%
CMY	0.2432, 0.5803, 0.3295
CMYK	0.00, 0.45, 0.11, 0.24
HSL	315°, 41%, 59%
HSV	315°, 45%, 76%
XYZ	34.5974, 24.7931, 41.4765
YIQ	140.0100, 30.7120, 38.1360

# Conversions

## Conversions Part 2

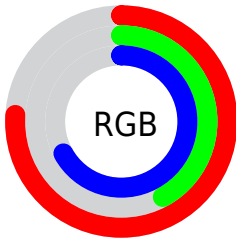
Format	Color
<a href="#">RYB</a>	<a href="#">193, 107, 171</a>
Decimal	<a href="#">12676011</a>
CIELab	<a href="#">56.87, 42.89, -19.34</a>
CIElCh	<a href="#">57, 47.051, 335.733</a>
Yxy	<a href="#">24.7931, 0.3430, 0.2458</a>
Android (android.graphics.Color)	<a href="#">4290866091 (0xFFC16BAB)</a>
YUV	<a href="#">140.0100, 15.2781, 46.4722</a>
Hunter-Lab	<a href="#">49.7927, 36.8897, -14.5328</a>

# Details

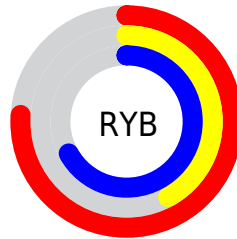
The Yxy color **24.7931, 0.3430, 0.2458** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **42.8500, 0.2925, 0.4308**, and the grayscale version is **26.1612, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.1418, 0.3379, 0.2615**, and **9.5635, 0.3517, 0.2209** is the 20% darker color. If you saturate the color by 10%, you get **21.0237, 0.3523, 0.2290**, and if you desaturate by 10%, it is **29.4699, 0.3346, 0.2642**.

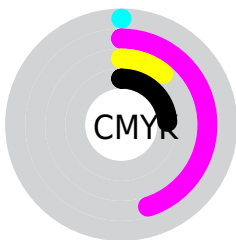
# Distribution



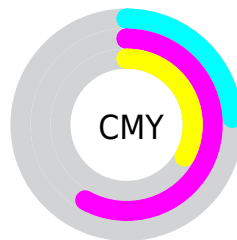
- Red (76%)
- Green (42%)
- Blue (67%)



- Red (76%)
- Yellow (42%)
- Blue (67%)



- Cyan (0%)
- Magenta (45%)
- Yellow (11%)
- Black (24%)




- Cyan (24%)
- Magenta (58%)
- Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 24.7931, 0.3430, 0.2458 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 24.7931, 0.3430, 0.2458 by changing the saturation by 10% instead.





 24.7931, 0.3430,  
0.2458


 24.7931, 0.3430,  
0.2458


276.8060, 0.3277,  
0.2886

 15.9230, 0.3468,  
0.2348


 51.3214, 0.3374,  
0.2616


 9.4697, 0.3517,  
0.2206


 69.7483, 0.3353,  
0.2674

 5.0488, 0.3581,  
0.2014


 92.1296, 0.3336,  
0.2724

 2.2759, 0.3668,  
0.1746

 118.8498, 0.3321,  
0.2766

 0.7609, 0.3793,  
0.1340

150.2931, 0.3308,  
0.2802

 0.0000, 0.4241,  
0.0000

186.8439, 0.3296,

 0.0000, 0.0000,

0.2834

0.0000

228.8868, 0.3286,  
0.2861

■ 24.7931, 0.3430,  
0.2458

■ 24.7931, 0.3430,  
0.2458

■ 21.0237, 0.3523,  
0.2290

■ 29.4699, 0.3346,  
0.2642

■ 18.0976, 0.3622,  
0.2148

■ 35.1057, 0.3271,  
0.2833

■ 15.9482, 0.3726,  
0.2042


■ 41.7521, 0.3206,  
0.3023


■ 14.4969, 0.3831,  
0.1980


■ 49.4560, 0.3150,  
0.3209


■ 13.6485, 0.3932,  
0.1965

■ 58.2617, 0.3102,  
0.3385

 13.3371, 0.3987,  
0.1970

 68.2105, 0.3062,  
0.3550

 79.3419, 0.3028,  
0.3704

 87.5356, 0.3000,  
0.3781

 87.7867, 0.2973,  
0.3724

# Harmonies

## Analogous

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



24.7931, 0.2636, 0.2157



24.7931, 0.3430, 0.2458



24.7931, 0.4225, 0.2930

# Triad

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



24.7931, 0.3430, 0.2458



24.7931, 0.4172, 0.4593



24.7931, 0.1782, 0.2766

# Complementary

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



24.7931, 0.3430, 0.2458



42.8500, 0.2925, 0.4308

# 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.



24.7931, 0.2091, 0.3570



24.7931, 0.3430, 0.2458



24.7931, 0.3457, 0.4786

# Square

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



24.7931, 0.3430, 0.2458



24.7931, 0.4645, 0.4085



24.7931, 0.2694, 0.4403



24.7931, 0.1780, 0.2266



# Rectangle

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



24.7931, 0.3430, 0.2458



24.7931, 0.4587, 0.3302



24.7931, 0.2694, 0.4403



24.7931, 0.1850, 0.3006

# Sweetspot

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



24.7943, 0.3430, 0.2458



76.5300, 0.3198, 0.3049



18.9971, 0.2493, 0.1985



15.8027, 0.3211, 0.3007



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290



# Same Dimension

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



24.7943, 0.3430, 0.2458



38.0907, 0.3516, 0.2301



23.4269, 0.3993, 0.3000



10.2020, 0.3176, 0.3120



8.8848, 0.3975, 0.1963



0.3945, 0.3769, 0.1850



# Inverse Universe

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



24.7943, 0.3430, 0.2458



38.0907, 0.3516, 0.2301



44.2234, 0.2659, 0.3614



10.2020, 0.3176, 0.3120



8.8848, 0.3975, 0.1963



0.3945, 0.3769, 0.1850



# Previews

## White Background



This preview shows how the Yxy color 24.7931, 0.3430, 0.2458 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

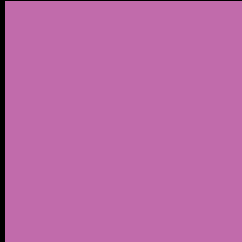
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 24.7931, 0.3430, 0.2458 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

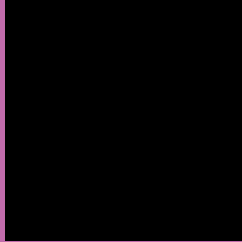
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**Yxy 24.7931, 0.3430, 0.2458**

## Background



This preview shows how black text looks on a background with the Yxy color 24.7931, 0.3430, 0.2458.



This preview shows how white text looks on a background with the Yxy color 24.7931, 0.3430, 0.2458.

# 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

24.7931, 0.3430, 0.2458

### Protanopia

25.1268, 0.2483, 0.2407

### Deuteranopia

25.0376, 0.2835, 0.2777



## Tritanopia

24.8946, 0.3935, 0.3180

# Trichromacy



## Original Color

24.7931, 0.3430, 0.2458

## Protanomaly

24.3310, 0.2776, 0.2411

## Deuteranomaly

24.4106, 0.3035, 0.2629

## Tritanomaly

24.7104, 0.3749, 0.2893

# Monochromacy



## Original Color

24.7931, 0.3430, 0.2458

## Achromatopsia

26.2251, 0.3127, 0.3290

## Achromatomaly

25.0436, 0.3236, 0.2936

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 24.7931, 0.3430, 0.2458 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(193, 107, 171)` looks like.

```
.text, #text, p{  
    color:rgb(193, 107, 171)  
}
```

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(193, 107, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 107, 171) }
```

## Border

The CSS property to change the border of an element to Yxy 24.7931, 0.3430, 0.2458 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(193, 107, 171) }
```

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

```
.border{ border-color:rgb(193, 107, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 107, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 107, 171); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 107, 171); box-shadow:4px 4px 4px 4px rgb(193, 107, 171) }
```



# Background

The CSS property to change the background color of an element to Yxy 24.7931, 0.3430, 0.2458 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 107, 171) }
```

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

```
.background{ background-color: rgb(193,  
107, 171) }
```

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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