

# Converting Colors

$Y_{xy}(30.8669, 0.3252, 0.2431)$

Have a look what the booklet for  
Yxy(30.8669, 0.3252, 0.2431)  
contains.

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# Color

**Yxy(30.8669, 0.3252, 0.2431)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CA7CC2
RGB	202, 124, 194
RGB Percent	79%, 49%, 76%
CMY	0.2080, 0.5136, 0.2393
CMYK	0.00, 0.39, 0.04, 0.21
HSL	306°, 42%, 64%
HSV	306°, 39%, 79%
XYZ	41.2913, 30.8669, 54.8138
YIQ	155.3020, 24.0180, 38.3060

# Conversions

## Conversions Part 2

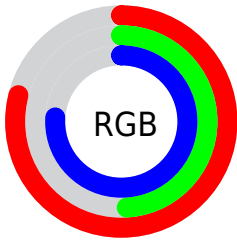
Format	Color
R <sub>Y</sub> B	202, 124, 194
Decimal	13270210
CIE Lab	62.40, 40.77, -23.94
CIE LCh	62, 47.281, 329.584
Yxy	30.8669, 0.3252, 0.2431
Android (android.graphics.Color)	4291460290 (0xFFCA7CC2)
YUV	155.3020, 19.0781, 40.9541
Hunter-Lab	55.5580, 35.4367, -19.6053

# Details

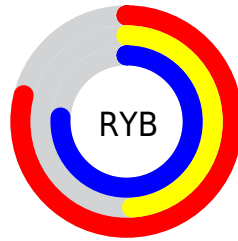
The Yxy color **30.8669, 0.3252, 0.2431** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.1716, 0.3023, 0.4335**, and the grayscale version is **32.8265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.0658, 0.3193, 0.2572**, and **12.7695, 0.3270, 0.2201** is the 20% darker color. If you saturate the color by 10%, you get **26.2206, 0.3291, 0.2225**, and if you desaturate by 10%, it is **36.5539, 0.3215, 0.2652**.

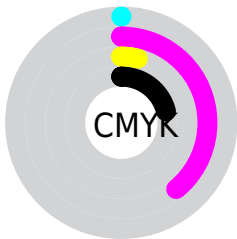
# Distribution



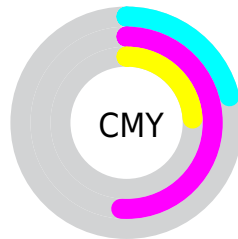
- Red (79%)
- Green (49%)
- Blue (76%)



- Red (79%)
- Yellow (49%)
- Blue (76%)



- Cyan (0%)
- Magenta (39%)
- Yellow (4%)
- Black (21%)



- Cyan (21%)
- Magenta (51%)
- Yellow (24%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8669, 0.3252, 0.2431 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 30.8669, 0.3252, 0.2431 by changing the saturation by 10% instead.




 30.8669, 0.3252,  
0.2431


 30.8669, 0.3252,  
0.2431


305.9247, 0.3199,  
0.2857

 20.4975, 0.3262,  
0.2327


 61.0305, 0.3235,  
0.2584

 12.7572, 0.3273,  
0.2195


 81.5934, 0.3228,  
0.2642

 7.2616, 0.3284,  
0.2023

 106.3230, 0.3222,  
0.2691

 3.6262, 0.3293,  
0.1789

135.6037, 0.3216,  
0.2734

 1.4668, 0.3289,  
0.1461

169.8198, 0.3211,  
0.2770

 0.2652, 0.3351,  
0.0675

209.3557, 0.3206,

 0.0000, 0.2050,

0.2803

0.0000


254.5959, 0.3202,  
0.2831

 0.0000, 0.0000,  
0.0000


 30.8669, 0.3252,  
0.2431


 30.8669, 0.3252,  
0.2431

 26.2206, 0.3291,  
0.2225


 36.5539, 0.3215,  
0.2652


 22.5470, 0.3331,  
0.2043


 43.3356, 0.3181,  
0.2878


 19.7769, 0.3372,  
0.1894


 51.2674, 0.3151,  
0.3103


 17.8299, 0.3411,  
0.1786


 60.3998, 0.3124,  
0.3320

 16.6118, 0.3448,  
0.1721

 70.7801, 0.3100,  
0.3527


 15.9731, 0.3481,  
0.1697

 82.4531, 0.3079,  
0.3720

 15.8989, 0.3486,  
0.1694

 88.6452, 0.3064,  
0.3797

 88.7478, 0.3053,  
0.3773

 88.8516, 0.3041,  
0.3750

# Harmonies

## Analogous

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



30.8669, 0.2538, 0.2185



30.8669, 0.3252, 0.2431



30.8669, 0.4017, 0.2853

# Triad

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



30.8669, 0.3252, 0.2431



30.8669, 0.4232, 0.4439



30.8669, 0.1894, 0.2941

# Complementary

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



30.8669, 0.3252, 0.2431



48.1716, 0.3023, 0.4335

# 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.



30.8669, 0.2252, 0.3724



30.8669, 0.3252, 0.2431



30.8669, 0.3594, 0.4687

# Square

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



30.8669, 0.3252, 0.2431



30.8669, 0.4599, 0.3940



30.8669, 0.2868, 0.4439



30.8669, 0.1831, 0.2402



# Rectangle

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



30.8669, 0.3252, 0.2431



30.8669, 0.4407, 0.3198



30.8669, 0.2868, 0.4439



30.8669, 0.1980, 0.3184

# Sweetspot

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



30.8683, 0.3252, 0.2431



81.8068, 0.3161, 0.3023



23.5775, 0.2489, 0.2146



17.1250, 0.3165, 0.2993



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.



30.8683, 0.3252, 0.2431



45.8229, 0.3283, 0.2264



29.3470, 0.3689, 0.2888



11.3832, 0.3153, 0.3085



10.2440, 0.3482, 0.1692



0.5343, 0.3422, 0.1659



# Inverse Universe

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



30.8683, 0.3252, 0.2431



45.8229, 0.3283, 0.2264



49.4379, 0.2780, 0.3739



11.3832, 0.3153, 0.3085



10.2440, 0.3482, 0.1692



0.5343, 0.3422, 0.1659



# Previews

## White Background



This preview shows how the Yxy color 30.8669, 0.3252, 0.2431 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

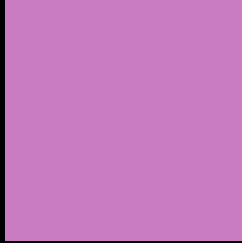
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 30.8669, 0.3252, 0.2431 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

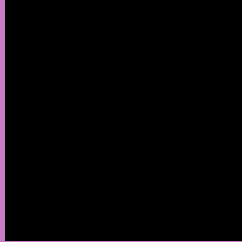
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 30.8669, 0.3252, 0.2431**

## **Background**



This preview shows how black text looks on a background with the Yxy color 30.8669, 0.3252, 0.2431.



This preview shows how white text looks on a background with the Yxy color 30.8669, 0.3252, 0.2431.

# 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

30.8669, 0.3252, 0.2431

### Protanopia

31.2045, 0.2468, 0.2387

### Deuteranopia

31.0085, 0.2741, 0.2678



## Tritanopia

30.7996, 0.3724, 0.3158

# Trichromacy



## Original Color

30.8669, 0.3252, 0.2431



## Protanomaly

30.3805, 0.2705, 0.2388



## Deuteranomaly

30.3338, 0.2911, 0.2570



## Tritanomaly

30.5797, 0.3550, 0.2872

# Monochromacy



## Original Color

30.8669, 0.3252, 0.2431



## Achromatopsia

32.7778, 0.3127, 0.3290



## Achromatomaly

31.5817, 0.3175, 0.2936

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 30.8669, 0.3252, 0.2431 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(202, 124, 194)` looks like.

```
.text, #text, p{  
    color:rgb(202, 124, 194)  
}
```

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(202, 124, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 124, 194) }
```

## Border

The CSS property to change the border of an element to Yxy 30.8669, 0.3252, 0.2431 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(202, 124, 194) }
```

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

```
.border{ border-color:rgb(202, 124, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 124, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 124, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 124, 194);  
box-shadow:4px 4px 4px 4px rgb(202, 124,  
194) }
```



# Background

The CSS property to change the background color of an element to Yxy 30.8669, 0.3252, 0.2431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 124, 194) }
```

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

```
.background{ background-color: rgb(202,  
124, 194) }
```

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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