

# Converting Colors

$Yxy(37.4741, 0.3230, 0.2782)$

Have a look what the booklet for  
Yxy(37.4741, 0.3230, 0.2782)  
contains.

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# Color

**Yxy(37.5362, 0.3229, 0.2787)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C696BE
RGB	198, 150, 190
RGB Percent	78%, 59%, 75%
CMY	0.2235, 0.4117, 0.2550
CMYK	0.00, 0.24, 0.04, 0.22
HSL	310°, 30%, 68%
HSV	310°, 24%, 78%
XYZ	43.4892, 37.5362, 53.6578
YIQ	168.9120, 15.7680, 22.6160

# Conversions

## Conversions Part 2

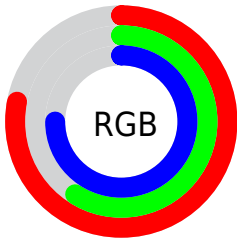
Format	Color
R <sub>Y</sub> B	198, 150, 190
Decimal	13014718
CIE Lab	67.68, 24.61, -13.70
CIE LCh	68, 28.167, 330.889
Yxy	37.5362, 0.3229, 0.2787
Android (android.graphics.Color)	4291204798 (0xFFC696BE)
YUV	168.9120, 10.3964, 25.5102
Hunter-Lab	61.2668, 19.4883, -9.0397

# Details

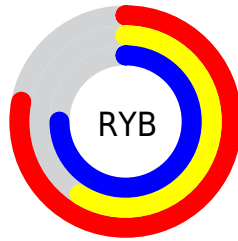
The Yxy color **37.5362, 0.3229, 0.2787** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.3462, 0.3040, 0.3851**, and the grayscale version is **39.5731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5765, 0.3213, 0.2885**, and **16.6591, 0.3254, 0.2647** is the 20% darker color. If you saturate the color by 10%, you get **31.6001, 0.3281, 0.2577**, and if you desaturate by 10%, it is **44.5466, 0.3183, 0.2998**.

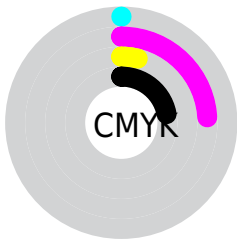
# Distribution



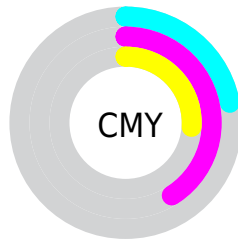
- Red (78%)
- Green (59%)
- Blue (75%)



- Red (78%)
- Yellow (59%)
- Blue (75%)



- Cyan (0%)
- Magenta (24%)
- Yellow (4%)
- Black (22%)



- Cyan (22%)
- Magenta (41%)
- Yellow (26%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5362, 0.3229, 0.2787 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 37.5362, 0.3229, 0.2787 by changing the saturation by 10% instead.




 37.5362, 0.3229,  
0.2787


 37.5362, 0.3229,  
0.2787


335.6262, 0.3181,  
0.3037

 25.6229, 0.3240,  
0.2725


 71.3967, 0.3212,  
0.2878

 16.5418, 0.3254,  
0.2646

 94.1127, 0.3206,  
0.2912

 9.9083, 0.3271,  
0.2541


121.1984, 0.3200,  
0.2940

 5.3382, 0.3293,  
0.2397

153.0382, 0.3195,  
0.2965

 2.4470, 0.3322,  
0.2185

190.0165, 0.3191,  
0.2987

 0.8499, 0.3358,  
0.1847

232.5176, 0.3187,

 0.0000, 0.3445,

0.3006

0.0000

280.9261, 0.3184,  
0.3022

0.0000, 0.0000,  
0.0000

37.5362, 0.3229,  
0.2787

37.5362, 0.3229,  
0.2787

31.6001, 0.3281,  
0.2577

44.5466, 0.3183,  
0.2998

26.6798, 0.3337,  
0.2375

52.6764, 0.3143,  
0.3205

22.7185, 0.3399,  
0.2191

61.9738, 0.3108,  
0.3402

19.6521, 0.3462,  
0.2035

72.4830, 0.3078,  
0.3588

17.4084, 0.3527,  
0.1915

84.2458, 0.3052,  
0.3761

■ 15.9041, 0.3591,  
0.1839

■ 88.1724, 0.3033,  
0.3784

■ 15.0385, 0.3651,  
0.1808

■ 88.3390, 0.3015,  
0.3747

■ 14.7200, 0.3685,  
0.1804

■ 88.5090, 0.2997,  
0.3709

■ 88.6825, 0.2979,  
0.3672

# Harmonies

## Analogous

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



37.5362, 0.2813, 0.2630



37.5362, 0.3229, 0.2787



37.5362, 0.3642, 0.3058

# Triad

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



37.5362, 0.3229, 0.2787



37.5362, 0.3766, 0.3977



37.5362, 0.2396, 0.3104

# Complementary

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



37.5362, 0.3229, 0.2787



49.3462, 0.3040, 0.3851

# 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.



37.5362, 0.2619, 0.3517



37.5362, 0.3229, 0.2787



37.5362, 0.3405, 0.4051

# Square

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



37.5362, 0.3229, 0.2787



37.5362, 0.3960, 0.3725



37.5362, 0.2985, 0.3882



37.5362, 0.2355, 0.2783



# Rectangle

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



37.5362, 0.3229, 0.2787



37.5362, 0.3848, 0.3278



37.5362, 0.2985, 0.3882



37.5362, 0.2451, 0.3237

# Sweetspot

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



37.5379, 0.3229, 0.2787



88.9445, 0.3154, 0.3147



33.1612, 0.2786, 0.2625



18.8442, 0.3156, 0.3134



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.



37.5379, 0.3229, 0.2787



60.7772, 0.3255, 0.2677



36.5743, 0.3463, 0.3083



10.7850, 0.3163, 0.3100



9.5828, 0.3678, 0.1800



0.4621, 0.3564, 0.1737



# Inverse Universe

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



37.5379, 0.3229, 0.2787



60.7772, 0.3255, 0.2677



50.2542, 0.2877, 0.3508



10.7850, 0.3163, 0.3100



9.5828, 0.3678, 0.1800



0.4621, 0.3564, 0.1737



# Previews

## White Background



This preview shows how the Yxy color 37.5362, 0.3229, 0.2787 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

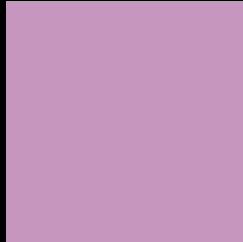
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 37.5362, 0.3229, 0.2787 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 37.5362, 0.3229, 0.2787**

## Background



This preview shows how black text looks on a background with the Yxy color 37.5362, 0.3229, 0.2787.



This preview shows how white text looks on a background with the Yxy color 37.5362, 0.3229, 0.2787.

# 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

37.5362, 0.3229, 0.2787

### Protanopia

37.8425, 0.2783, 0.2810

### Deuteranopia

37.6666, 0.2979, 0.2922



## Tritanopia

37.4665, 0.3425, 0.3134

# Trichromacy



## Original Color

37.5362, 0.3229, 0.2787

## Protanomaly

37.5525, 0.2931, 0.2796

## Deuteranomaly

37.4914, 0.3062, 0.2866

## Tritanomaly

37.6134, 0.3348, 0.3006

# Monochromacy



## Original Color

37.5362, 0.3229, 0.2787

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

38.7183, 0.3165, 0.3088

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 37.5362, 0.3229, 0.2787 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(198, 150, 190)` looks like.

```
.text, #text, p{  
    color:rgb(198, 150, 190)  
}
```

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(198, 150, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 150, 190) }
```

## Border

The CSS property to change the border of an element to Yxy 37.5362, 0.3229, 0.2787 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(198, 150, 190) }
```

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

```
.border{ border-color:rgb(198, 150, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 150, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 150, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 150, 190);  
box-shadow:4px 4px 4px 4px rgb(198, 150,  
190) }
```



# Background

The CSS property to change the background color of an element to Yxy 37.5362, 0.3229, 0.2787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 150, 190) }
```

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

```
.background{ background-color: rgb(198,  
150, 190) }
```

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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