

# Converting Colors

$Yxy(38.2808, 0.3236, 0.2783)$

Have a look what the booklet for  
Yxy(38.2808, 0.3236, 0.2783)  
contains.

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# Color

**Yxy(38.3565, 0.3238, 0.2781)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C997C0
RGB	201, 151, 192
RGB Percent	79%, 59%, 75%
CMY	0.2119, 0.4078, 0.2471
CMYK	0.00, 0.25, 0.04, 0.21
HSL	311°, 32%, 69%
HSV	311°, 25%, 79%
XYZ	44.6596, 38.3565, 54.9073
YIQ	170.6240, 16.6390, 23.3510

# Conversions

## Conversions Part 2

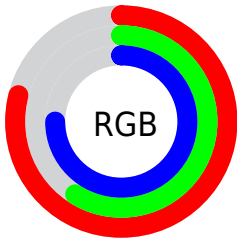
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 151, 192
Decimal	13211584
CIE Lab	68.28, 25.43, -13.88
CIE LCh	68, 28.966, 331.375
Yxy	38.3565, 0.3238, 0.2781
Android (android.graphics.Color)	4291401664 (0xFFC997C0)
YUV	170.6240, 10.5384, 26.6398
Hunter-Lab	61.9326, 20.3342, -9.2116

# Details

The Yxy color **38.3565, 0.3238, 0.2781** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.8771, 0.3033, 0.3859**, and the grayscale version is **40.4662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.1799, 0.3198, 0.2876**, and **17.0603, 0.3266, 0.2654** is the 20% darker color. If you saturate the color by 10%, you get **32.2721, 0.3293, 0.2573**, and if you desaturate by 10%, it is **45.5508, 0.3189, 0.2990**.

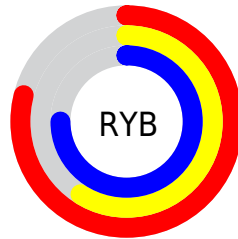
# Distribution



Red (79%)

Green (59%)

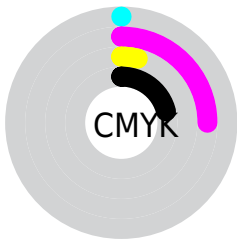
Blue (75%)



Red (79%)

Yellow (59%)

Blue (75%)

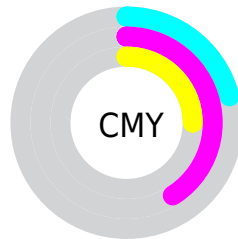


Cyan (0%)

Magenta (25%)

Yellow (4%)

Black (21%)



Cyan (21%)

Magenta (41%)


Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 38.3565, 0.3238, 0.2781 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 38.3565, 0.3238, 0.2781 by changing the saturation by 10% instead.





 38.3565, 0.3238,  
0.2781


 38.3565, 0.3238,  
0.2781


339.1468, 0.3186,  
0.3033

 26.2595, 0.3250,  
0.2719


 72.6542, 0.3220,  
0.2872

 17.0179, 0.3265,  
0.2640


 95.6237, 0.3213,  
0.2906

 10.2472, 0.3284,  
0.2536


122.9862, 0.3206,  
0.2935

 5.5632, 0.3309,  
0.2392

155.1260, 0.3201,  
0.2960

 2.5813, 0.3341,  
0.2183

192.4276, 0.3197,  
0.2982

 0.9173, 0.3383,  
0.1854

235.2753, 0.3192,

 0.0000, 0.3657,

0.3001

0.0000

284.0536, 0.3189,  
0.3018

0.0000, 0.0000,  
0.0000

38.3565, 0.3238,  
0.2781

38.3565, 0.3238,  
0.2781

32.2721, 0.3293,  
0.2573

45.5508, 0.3189,  
0.2990

27.2367, 0.3354,  
0.2375

53.9019, 0.3146,  
0.3194

23.1911, 0.3420,  
0.2194

63.4602, 0.3109,  
0.3389

20.0682, 0.3489,  
0.2042

74.2715, 0.3077,  
0.3573

17.7926, 0.3559,  
0.1926

86.3794, 0.3050,  
0.3744

■ 16.2771, 0.3628,  
0.1855

■ 88.7711, 0.3029,  
0.3739

■ 15.4153, 0.3694,  
0.1829

■ 88.9575, 0.3010,  
0.3698

■ 15.1225, 0.3727,  
0.1827

■ 89.1481, 0.2990,  
0.3658

■ 89.3428, 0.2970,  
0.3617

# Harmonies

## Analogous

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



38.3565, 0.2812, 0.2619



38.3565, 0.3238, 0.2781



38.3565, 0.3659, 0.3058

# Triad

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



38.3565, 0.3238, 0.2781



38.3565, 0.3774, 0.3994



38.3565, 0.2379, 0.3093

# Complementary

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



38.3565, 0.3238, 0.2781



50.8771, 0.3033, 0.3859

# 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.



38.3565, 0.2604, 0.3515



38.3565, 0.3238, 0.2781



38.3565, 0.3403, 0.4067

# Square

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



38.3565, 0.3238, 0.2781



38.3565, 0.3976, 0.3738



38.3565, 0.2975, 0.3891



38.3565, 0.2341, 0.2769



# Rectangle

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



38.3565, 0.3238, 0.2781



38.3565, 0.3868, 0.3282



38.3565, 0.2975, 0.3891



38.3565, 0.2434, 0.3228

# Sweetspot

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



38.3582, 0.3238, 0.2781



88.9302, 0.3155, 0.3149



33.7623, 0.2776, 0.2605



18.8408, 0.3158, 0.3136



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.



38.3582, 0.3238, 0.2781



59.6652, 0.3268, 0.2665



37.3681, 0.3474, 0.3077



10.7826, 0.3165, 0.3103



9.5244, 0.3719, 0.1822



0.4598, 0.3594, 0.1754



# Inverse Universe

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



38.3582, 0.3238, 0.2781



59.6652, 0.3268, 0.2665



51.8128, 0.2871, 0.3514



10.7826, 0.3165, 0.3103



9.5244, 0.3719, 0.1822



0.4598, 0.3594, 0.1754



# Previews

## White Background



This preview shows how the Yxy color 38.3565, 0.3238, 0.2781 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

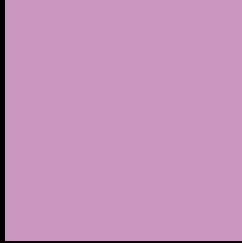
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 38.3565, 0.3238, 0.2781 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 38.3565, 0.3238, 0.2781**

## Background



This preview shows how black text looks on a background with the Yxy color 38.3565, 0.3238, 0.2781.



This preview shows how white text looks on a background with the Yxy color 38.3565, 0.3238, 0.2781.

# 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

38.3565, 0.3238, 0.2781

### Protanopia

38.4982, 0.2786, 0.2801

### Deuteranopia

38.3290, 0.2981, 0.2912



## Tritanopia

38.2385, 0.3443, 0.3136

# Trichromacy



## Original Color

38.3565, 0.3238, 0.2781

## Protanomaly

38.2175, 0.2933, 0.2787

## Deuteranomaly

38.2826, 0.3073, 0.2858

## Tritanomaly

38.3879, 0.3367, 0.3010

# Monochromacy



## Original Color

38.3565, 0.3238, 0.2781

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

39.7507, 0.3164, 0.3090

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 38.3565, 0.3238, 0.2781 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(201, 151, 192)` looks like.

```
.text, #text, p{  
    color:rgb(201, 151, 192)  
}
```

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(201, 151, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 151, 192) }
```

## Border

The CSS property to change the border of an element to Yxy 38.3565, 0.3238, 0.2781 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(201, 151, 192) }
```

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

```
.border{ border-color:rgb(201, 151, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 151, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 151, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 151, 192);  
box-shadow:4px 4px 4px 4px rgb(201, 151,  
192) }
```



# Background

The CSS property to change the background color of an element to Yxy 38.3565, 0.3238, 0.2781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 151, 192) }
```

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

```
.background{ background-color: rgb(201,  
151, 192) }
```

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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