

# Converting Colors

$Y_{xy}(33.7392, 0.3551, 0.2957)$

Have a look what the booklet for  
Yxy(33.7392, 0.3551, 0.2957)  
contains.

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# Color

**Yxy(33.8784, 0.3550, 0.2958)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB8BA5
RGB	203, 139, 165
RGB Percent	80%, 55%, 65%
CMY	0.2038, 0.4549, 0.3529
CMYK	0.00, 0.32, 0.19, 0.20
HSL	336°, 38%, 67%
HSV	336°, 32%, 80%
XYZ	40.6587, 33.8784, 39.9944
YIQ	161.1000, 29.7980, 21.6540

# Conversions

## Conversions Part 2

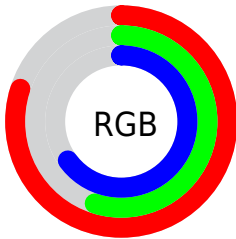
Format	Color
R <sub>Y</sub> B	203, 139, 165
Decimal	13339557
CIE Lab	64.87, 28.18, -3.81
CIE LCh	65, 28.436, 352.302
Yxy	33.8784, 0.3550, 0.2958
Android (android.graphics.Color)	4291529637 (0xFFCB8BA5)
YUV	161.1000, 1.9227, 36.7463
Hunter-Lab	58.2052, 22.8305, 0.0038

# Details

The Yxy color **33.8784, 0.3550, 0.2958** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **51.3888, 0.2838, 0.3651**, and the grayscale version is **35.6712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5672, 0.3420, 0.3016**, and **14.4676, 0.3694, 0.2860** is the 20% darker color. If you saturate the color by 10%, you get **28.1183, 0.3745, 0.2850**, and if you desaturate by 10%, it is **40.7748, 0.3387, 0.3068**.

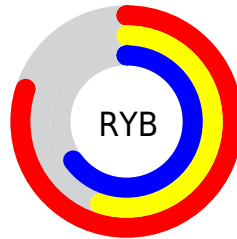
# Distribution



Red (80%)

Green (55%)

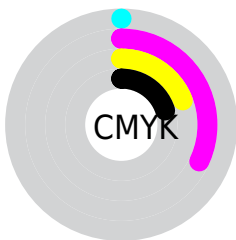
Blue (65%)



Red (80%)

Yellow (55%)

Blue (65%)

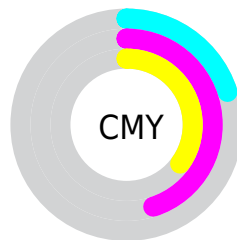


Cyan (0%)

Magenta (32%)

Yellow (19%)

Black (20%)



Cyan (20%)

Magenta (45%)


Yellow (35%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8784, 0.3550, 0.2958 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 33.8784, 0.3550, 0.2958 by changing the saturation by 10% instead.




 33.8784, 0.3550,  
0.2958


 33.8784, 0.3550,  
0.2958


319.5895, 0.3329,  
0.3129


 22.8002, 0.3608,  
0.2913


 65.7445, 0.3467,  
0.3022

 14.4460, 0.3685,  
0.2855


 87.3012, 0.3437,  
0.3045

 8.4315, 0.3791,  
0.2775


 113.1196, 0.3412,  
0.3065

 4.3723, 0.3947,  
0.2661

143.5839, 0.3390,  
0.3082

 1.8839, 0.4196,  
0.2481

179.0787, 0.3372,  
0.3096

 0.5387, 0.4738,  
0.2037

219.9883, 0.3356,

 0.0000, 1.0000,

0.3109

0.0000

266.6971, 0.3342,  
0.3120

■ 0.0000, 0.0000,  
0.0000

■ 33.8784, 0.3550,  
0.2958

■ 33.8784, 0.3550,  
0.2958

■ 28.1183, 0.3745,  
0.2850

■ 40.7748, 0.3387,  
0.3068

■ 23.4281, 0.3974,  
0.2751

■ 48.8597, 0.3253,  
0.3174

■ 19.7417, 0.4236,  
0.2670


■ 58.1879, 0.3142,  
0.3275


■ 16.9837, 0.4526,  
0.2620


■ 68.8091, 0.3052,  
0.3369

■ 15.0678, 0.4831,  
0.2614


■ 80.7706, 0.2977,  
0.3456

 13.8913, 0.5130,  
0.2659

 90.3549, 0.2914,  
0.3476

 13.3169, 0.5368,  
0.2731

 91.0848, 0.2851,  
0.3348

 91.4406, 0.2822,  
0.3289

# Harmonies

## Analogous

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



33.8784, 0.3103, 0.2706



33.8784, 0.3550, 0.2958



33.8784, 0.3893, 0.3292

# Triad

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



33.8784, 0.3550, 0.2958



33.8784, 0.3535, 0.4088



33.8784, 0.2315, 0.2840

# Complementary

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



33.8784, 0.3550, 0.2958



51.3888, 0.2838, 0.3651

# 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.



33.8784, 0.2413, 0.3213



33.8784, 0.3550, 0.2958



33.8784, 0.3102, 0.3987

# Square

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



33.8784, 0.3550, 0.2958



33.8784, 0.3874, 0.3945



33.8784, 0.2694, 0.3650



33.8784, 0.2413, 0.2624



# Rectangle

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



33.8784, 0.3550, 0.2958



33.8784, 0.4001, 0.3531



33.8784, 0.2694, 0.3650



33.8784, 0.2326, 0.2950

# Sweetspot

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



33.8800, 0.3550, 0.2958



85.3745, 0.3224, 0.3199



32.0464, 0.2906, 0.2451



17.8031, 0.3242, 0.3184



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.



33.8800, 0.3550, 0.2958



49.8002, 0.3682, 0.2882



34.6103, 0.3819, 0.3362



11.2879, 0.3227, 0.3196



8.4892, 0.5333, 0.2712



0.4529, 0.4822, 0.2430



# Inverse Universe

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



33.8800, 0.3550, 0.2958



49.8002, 0.3682, 0.2882



50.0492, 0.2671, 0.3217



11.2879, 0.3227, 0.3196



8.4892, 0.5333, 0.2712



0.4529, 0.4822, 0.2430



# Previews

## White Background



This preview shows how the Yxy color 33.8784, 0.3550, 0.2958 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

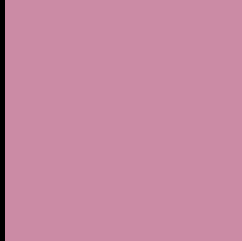
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.8784, 0.3550, 0.2958 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

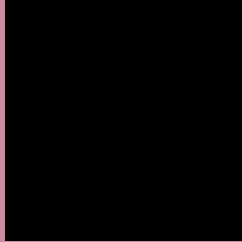
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.8784, 0.3550, 0.2958**

## Background



This preview shows how black text looks on a background with the Yxy color 33.8784, 0.3550, 0.2958.



This preview shows how white text looks on a background with the Yxy color 33.8784, 0.3550, 0.2958.

# 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

33.8784, 0.3550, 0.2958

### Protanopia

34.2171, 0.2943, 0.3014

### Deuteranopia

34.0490, 0.3223, 0.3162



## Tritanopia

33.8733, 0.3676, 0.3149

# Trichromacy



## Original Color

33.8784, 0.3550, 0.2958

## Protanomaly

33.5619, 0.3142, 0.2981

## Deuteranomaly

33.8914, 0.3343, 0.3084

## Tritanomaly

33.7470, 0.3624, 0.3071

# Monochromacy



## Original Color

33.8784, 0.3550, 0.2958

## Achromatopsia

35.6400, 0.3127, 0.3290

## Achromatomaly

34.6212, 0.3274, 0.3164

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.8784, 0.3550, 0.2958 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(203, 139, 165)` looks like.

```
.text, #text, p{  
    color:rgb(203, 139, 165)  
}
```

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(203, 139, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 139, 165) }
```

## Border

The CSS property to change the border of an element to Yxy 33.8784, 0.3550, 0.2958 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(203, 139, 165) }
```

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

```
.border{ border-color:rgb(203, 139, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 139, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 139, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 139, 165);  
box-shadow:4px 4px 4px 4px rgb(203, 139,  
165) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.8784, 0.3550, 0.2958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 139, 165) }
```

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

```
.background{ background-color: rgb(203,  
139, 165) }
```

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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