

# Converting Colors

$Yxy(34.0472, 0.3604, 0.3015)$

Have a look what the booklet for  
Yxy(34.0472, 0.3604, 0.3015)  
contains.

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# Color

**Yxy(33.8758, 0.3604, 0.3010)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC8BA1
RGB	204, 139, 161
RGB Percent	80%, 55%, 63%
CMY	0.2001, 0.4548, 0.3687
CMYK	0.00, 0.32, 0.21, 0.20
HSL	340°, 39%, 67%
HSV	340°, 32%, 80%
XYZ	40.5609, 33.8758, 38.1075
YIQ	160.9430, 31.6780, 20.6220

# Conversions

## Conversions Part 2

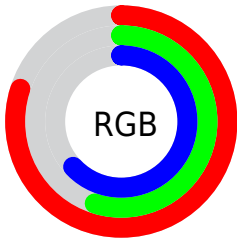
Format	Color
<a href="#">RYB</a>	<a href="#">204, 139, 161</a>
Decimal	<a href="#">13405089</a>
CIELab	<a href="#">64.86, 27.89, -1.52</a>
CIELCh	<a href="#">65, 27.928, 356.873</a>
Yxy	<a href="#">33.8758, 0.3604, 0.3010</a>
Android (android.graphics.Color)	<a href="#">4291595169</a> ( <a href="#">0xFFCC8BA1</a> )
YUV	<a href="#">160.9430, 0.0281, 37.7610</a>
Hunter-Lab	<a href="#">58.2029, 22.5394, 1.9228</a>

# Details

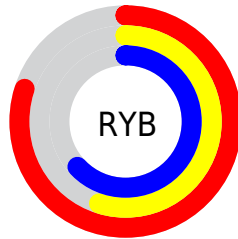
The Yxy color **33.8758, 0.3604, 0.3010** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **52.0437, 0.2808, 0.3592**, and the grayscale version is **35.6019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3578, 0.3452, 0.3056**, and **14.4948, 0.3758, 0.2913** is the 20% darker color. If you saturate the color by 10%, you get **28.0594, 0.3825, 0.2920**, and if you desaturate by 10%, it is **40.8489, 0.3421, 0.3102**.

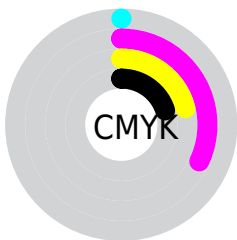
# Distribution



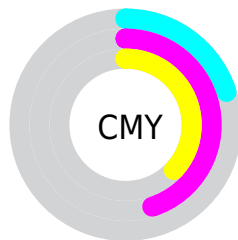
- Red (80%)
- Green (55%)
- Blue (63%)



- Red (80%)
- Yellow (55%)
- Blue (63%)



- Cyan (0%)
- Magenta (32%)
- Yellow (21%)
- Black (20%)




- Cyan (20%)
- Magenta (45%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8758, 0.3604, 0.3010 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 33.8758, 0.3604, 0.3010 by changing the saturation by 10% instead.




 33.8758, 0.3604,  
0.3010


 33.8758, 0.3604,  
0.3010


319.5779, 0.3354,  
0.3156


 22.7982, 0.3671,  
0.2971


 65.7405, 0.3510,  
0.3065

 14.4446, 0.3759,  
0.2921


 87.2964, 0.3476,  
0.3085

 8.4305, 0.3881,  
0.2851


 113.1138, 0.3447,  
0.3101

 4.3716, 0.4060,  
0.2749

143.5771, 0.3423,  
0.3116

 1.8835, 0.4350,  
0.2586

179.0708, 0.3402,  
0.3128

 0.5385, 0.5025,  
0.2176

219.9793, 0.3384,

 0.0000, 1.0000,

0.3139

0.0000

266.6868, 0.3368,  
0.3148

0.0000, 0.0000,  
0.0000

33.8758, 0.3604,  
0.3010

33.8758, 0.3604,  
0.3010

28.0594, 0.3825,  
0.2920

40.8489, 0.3421,  
0.3102

23.3319, 0.4086,  
0.2839

49.0320, 0.3270,  
0.3191

19.6257, 0.4387,  
0.2775

58.4812, 0.3147,  
0.3275

16.8637, 0.4719,  
0.2741

69.2472, 0.3047,  
0.3353

14.9577, 0.5064,  
0.2749

81.3783, 0.2965,  
0.3426

■ 13.8023, 0.5395,  
0.2806

■ 90.7646, 0.2894,  
0.3426

■ 13.2631, 0.5640,  
0.2881

■ 91.5741, 0.2827,  
0.3289

# Harmonies

## Analogous

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



33.8758, 0.3171, 0.2746



33.8758, 0.3604, 0.3010



33.8758, 0.3913, 0.3346

# Triad

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



33.8758, 0.3604, 0.3010



33.8758, 0.3467, 0.4075



33.8758, 0.2331, 0.2805

# Complementary

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



33.8758, 0.3604, 0.3010



52.0437, 0.2808, 0.3592

# 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.



33.8758, 0.2398, 0.3152



33.8758, 0.3604, 0.3010



33.8758, 0.3037, 0.3936

# Square

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



33.8758, 0.3604, 0.3010



33.8758, 0.3821, 0.3968



33.8758, 0.2649, 0.3580



33.8758, 0.2456, 0.2618



# Rectangle

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



33.8758, 0.3604, 0.3010



33.8758, 0.3993, 0.3580



33.8758, 0.2649, 0.3580



33.8758, 0.2332, 0.2905

# Sweetspot

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



33.8774, 0.3604, 0.3010



83.7558, 0.3247, 0.3206



32.6825, 0.2945, 0.2452



17.4762, 0.3266, 0.3193



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.



33.8774, 0.3604, 0.3010



49.5030, 0.3746, 0.2950



36.1188, 0.3811, 0.3418



11.2752, 0.3238, 0.3212



8.3658, 0.5603, 0.2860



0.4457, 0.5049, 0.2555



# Inverse Universe

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



33.8774, 0.3604, 0.3010



49.5030, 0.3746, 0.2950



48.5367, 0.2660, 0.3157



11.2752, 0.3238, 0.3212



8.3658, 0.5603, 0.2860

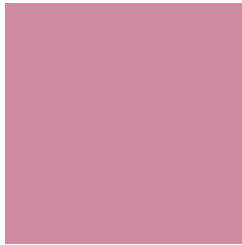


0.4457, 0.5049, 0.2555



# Previews

## White Background



This preview shows how the Yxy color 33.8758, 0.3604, 0.3010 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

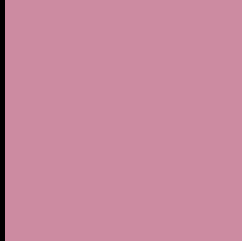
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 33.8758, 0.3604, 0.3010 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

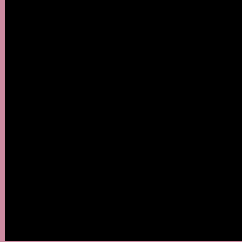
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 33.8758, 0.3604, 0.3010**

## Background



This preview shows how black text looks on a background with the Yxy color 33.8758, 0.3604, 0.3010.



This preview shows how white text looks on a background with the Yxy color 33.8758, 0.3604, 0.3010.

# 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

33.8758, 0.3604, 0.3010

### Protanopia

34.2606, 0.2995, 0.3071

### Deuteranopia

34.0217, 0.3271, 0.3219



## Tritanopia

33.9806, 0.3698, 0.3162

# Trichromacy



**Original Color**

33.8758, 0.3604, 0.3010

**Protanomaly**

33.6385, 0.3199, 0.3038

**Deuteranomaly**

33.8734, 0.3393, 0.3139

**Tritanomaly**

33.8192, 0.3657, 0.3098

# Monochromacy



**Original Color**

33.8758, 0.3604, 0.3010

**Achromatopsia**

35.6400, 0.3127, 0.3290

**Achromatomaly**

34.7028, 0.3293, 0.3178

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 33.8758, 0.3604, 0.3010 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(204, 139, 161)` looks like.

```
.text, #text, p{  
    color:rgb(204, 139, 161)  
}
```

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(204, 139, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 139, 161) }
```

## Border

The CSS property to change the border of an element to Yxy 33.8758, 0.3604, 0.3010 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(204, 139, 161) }
```

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

```
.border{ border-color:rgb(204, 139, 161) }
```

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

Here you see how a box with a 4 pixel rgb(204, 139, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 139, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 139, 161);  
box-shadow:4px 4px 4px 4px rgb(204, 139,  
161) }
```



# Background

The CSS property to change the background color of an element to Yxy 33.8758, 0.3604, 0.3010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 139, 161) }
```

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

```
.background{ background-color: rgb(204,  
139, 161) }
```

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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