

# Converting Colors

$Yxy(39.3775, 0.3428, 0.3137)$

Have a look what the booklet for  
Yxy(39.3775, 0.3428, 0.3137)  
contains.

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# Color

**Yxy(39.4981, 0.3418, 0.3137)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C79EAA
RGB	199, 158, 170
RGB Percent	78%, 62%, 67%
CMY	0.2196, 0.3804, 0.3334
CMYK	0.00, 0.21, 0.15, 0.22
HSL	342°, 27%, 70%
HSV	342°, 21%, 78%
XYZ	43.0362, 39.4981, 43.3761
YIQ	171.6270, 20.5840, 12.4240

# Conversions

## Conversions Part 2

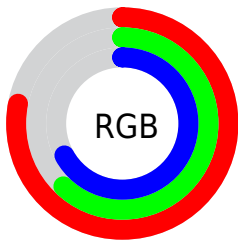
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">199, 158, 170</a>
Decimal	<a href="#">13082282</a>
CIELab	<a href="#">69.11, 17.09, -0.42</a>
CIElCh	<a href="#">69, 17.094, 358.596</a>
Yxy	<a href="#">39.4981, 0.3418, 0.3137</a>
Android (android.graphics.Color)	<a href="#">4291272362</a> ( <a href="#">0xFFC79EAA</a> )
YUV	<a href="#">171.6270, -0.8021, 24.0061</a>
Hunter-Lab	<a href="#">62.8475, 12.2486, 3.0724</a>

# Details

The Yxy color **39.4981, 0.3418, 0.3137** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **51.7103, 0.2901, 0.3449**, and the grayscale version is **41.0538, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.2847, 0.3355, 0.3170**, and **17.6358, 0.3513, 0.3082** is the 20% darker color. If you saturate the color by 10%, you get **32.7465, 0.3609, 0.3058**, and if you desaturate by 10%, it is **47.4098, 0.3262, 0.3214**.

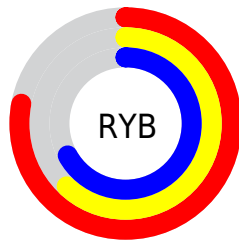
# Distribution



Red (78%)

Green (62%)

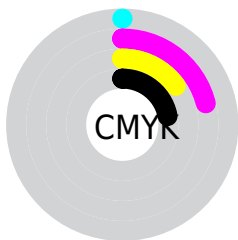
Blue (67%)



Red (78%)

Yellow (62%)

Blue (67%)

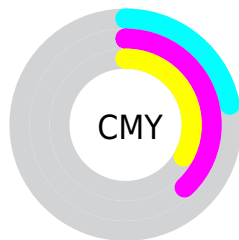


Cyan (0%)

Magenta (21%)

Yellow (15%)

Black (22%)



Cyan (22%)

Magenta (38%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.4981, 0.3418, 0.3137 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 39.4981, 0.3418, 0.3137 by changing the saturation by 10% instead.




 39.4981, 0.3418,  
0.3137


 39.4981, 0.3418,  
0.3137


344.0036, 0.3269,  
0.3216

 27.1474, 0.3457,  
0.3117


 74.3986, 0.3363,  
0.3166

 17.6840, 0.3507,  
0.3090


 97.7173, 0.3342,  
0.3177

 10.7233, 0.3576,  
0.3054


125.4607, 0.3325,  
0.3186

 5.8811, 0.3675,  
0.3003

158.0134, 0.3310,  
0.3194

 2.7729, 0.3829,  
0.2922

195.7596, 0.3298,  
0.3200

 1.0144, 0.4103,  
0.2781

239.0837, 0.3287,

 0.0000, 1.0000,


0.3206

0.0000


288.3703, 0.3277,  
0.3211


 0.0000, 0.0000,  
0.0000


 39.4981, 0.3418,  
0.3137


 39.4981, 0.3418,  
0.3137


 32.7465, 0.3609,  
0.3058

 47.4098, 0.3262,  
0.3214

 27.0950, 0.3841,  
0.2980

 56.5272, 0.3134,  
0.3286


 22.4862, 0.4117,  
0.2909

 66.8999, 0.3030,  
0.3353

 18.8557, 0.4438,  
0.2853

 78.5734, 0.2945,  
0.3414

 16.1314, 0.4792,  
0.2824

 89.9799, 0.2875,  
0.3444

■ 14.2314, 0.5162,  
0.2833

■ 90.8519, 0.2802,  
0.3294

■ 13.0587, 0.5514,  
0.2888

■ 90.8835, 0.2800,  
0.3289

■ 12.4504, 0.5803,  
0.2970

# Harmonies

## Analogous

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



39.4981, 0.3172, 0.2969



39.4981, 0.3418, 0.3137



39.4981, 0.3587, 0.3346

# Triad

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



39.4981, 0.3418, 0.3137



39.4981, 0.3319, 0.3737



39.4981, 0.2651, 0.3003

# Complementary

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



39.4981, 0.3418, 0.3137



51.7103, 0.2901, 0.3449

# 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.



39.4981, 0.2688, 0.3205



39.4981, 0.3418, 0.3137



39.4981, 0.3067, 0.3644

# Square

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



39.4981, 0.3418, 0.3137



39.4981, 0.3526, 0.3697



39.4981, 0.2837, 0.3444



39.4981, 0.2736, 0.2888



# Rectangle

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



39.4981, 0.3418, 0.3137



39.4981, 0.3629, 0.3486



39.4981, 0.2837, 0.3444



39.4981, 0.2650, 0.3063

# Sweetspot

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



39.4999, 0.3418, 0.3137



89.9456, 0.3201, 0.3247



39.1068, 0.3038, 0.2766



19.0282, 0.3209, 0.3242



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.



39.4999, 0.3418, 0.3137



63.2775, 0.3504, 0.3100



41.9591, 0.3514, 0.3397



10.6871, 0.3244, 0.3223



8.0184, 0.5767, 0.2951



0.3926, 0.5157, 0.2615



# Inverse Universe

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



39.4999, 0.3418, 0.3137



63.2775, 0.3504, 0.3100



48.5718, 0.2816, 0.3180



10.6871, 0.3244, 0.3223



8.0184, 0.5767, 0.2951



0.3926, 0.5157, 0.2615



# Previews

## White Background



This preview shows how the Yxy color 39.4981, 0.3418, 0.3137 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

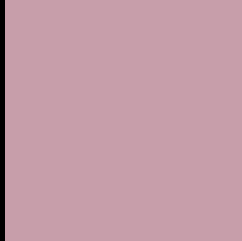
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.4981, 0.3418, 0.3137 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

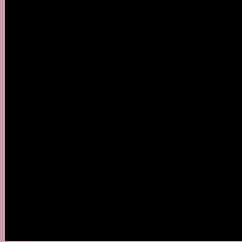
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.4981, 0.3418, 0.3137**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.4981, 0.3418, 0.3137.



This preview shows how white text looks on a background with the Yxy color 39.4981, 0.3418, 0.3137.

# 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

39.4981, 0.3418, 0.3137

### Protanopia

39.6859, 0.3078, 0.3180

### Deuteranopia

39.7298, 0.3282, 0.3224



## Tritanopia

39.4981, 0.3418, 0.3137

# Trichromacy



## Original Color

39.4981, 0.3418, 0.3137

## Protanomaly

39.4307, 0.3199, 0.3156

## Deuteranomaly

39.6524, 0.3333, 0.3198

## Tritanomaly

39.4981, 0.3418, 0.3137

# Monochromacy



## Original Color

39.4981, 0.3418, 0.3137

## Achromatopsia

41.2543, 0.3127, 0.3290

## Achromatomaly

40.5228, 0.3232, 0.3237

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.4981, 0.3418, 0.3137 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(199, 158, 170)` looks like.

```
.text, #text, p{  
    color:rgb(199, 158, 170)  
}
```

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(199, 158, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 158, 170) }
```

## Border

The CSS property to change the border of an element to Yxy 39.4981, 0.3418, 0.3137 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(199, 158, 170) }
```

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

```
.border{ border-color:rgb(199, 158, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 158, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 158, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 158, 170);  
box-shadow:4px 4px 4px 4px rgb(199, 158,  
170) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.4981, 0.3418, 0.3137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 158, 170) }
```

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

```
.background{ background-color: rgb(199,  
158, 170) }
```

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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