

# Converting Colors

$Yxy(39.4959, 0.3290, 0.3161)$

Have a look what the booklet for  
Yxy(39.4959, 0.3290, 0.3161)  
contains.

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# Color

**Yxy(39.5106, 0.3286, 0.3158)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BCA2AC
RGB	188, 162, 172
RGB Percent	74%, 64%, 67%
CMY	0.2626, 0.3647, 0.3255
CMYK	0.00, 0.14, 0.09, 0.26
HSL	337°, 16%, 69%
HSV	337°, 14%, 74%
XYZ	41.1120, 39.5106, 44.4901
YIQ	170.9140, 12.2860, 8.6220

# Conversions

## Conversions Part 2

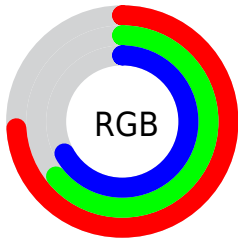
<b>Format</b>	<b>Color</b>
<b>RYB</b>	188, 162, 172
Decimal	12362412
CIELab	69.12, 11.24, -1.65
CIELCh	69, 11.361, 351.636
Yxy	39.5106, 0.3286, 0.3158
Android (android.graphics.Color)	4290552492 (0xFFBCA2AC)
YUV	170.9140, 0.5354, 14.9844
Hunter-Lab	62.8575, 6.7477, 2.0352

# Details

The Yxy color **39.5106, 0.3286, 0.3158** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **46.8770, 0.2991, 0.3426**, and the grayscale version is **40.6744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.4049, 0.3255, 0.3188**, and **17.6588, 0.3338, 0.3109** is the 20% darker color. If you saturate the color by 10%, you get **32.9505, 0.3431, 0.3057**, and if you desaturate by 10%, it is **47.1035, 0.3167, 0.3255**.

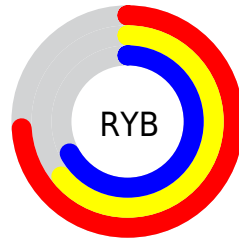
# Distribution



Red (74%)

Green (64%)

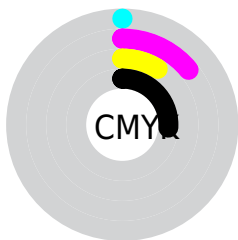
Blue (67%)



Red (74%)

Yellow (64%)

Blue (67%)

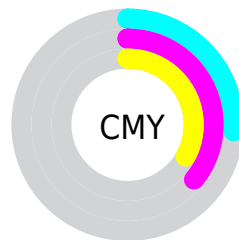


Cyan (0%)

Magenta (14%)

Yellow (9%)

Black (26%)



Cyan (26%)

Magenta (36%)


Yellow (33%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.5106, 0.3286, 0.3158 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 39.5106, 0.3286, 0.3158 by changing the saturation by 10% instead.





 39.5106, 0.3286,  
0.3158

 39.5106, 0.3286,  
0.3158


344.0565, 0.3205,  
0.3225

 27.1572, 0.3307,  
0.3141


 74.4177, 0.3256,  
0.3183

 17.6913, 0.3334,  
0.3118


 97.7402, 0.3245,  
0.3192

 10.7286, 0.3372,  
0.3088


125.4877, 0.3235,  
0.3200

 5.8846, 0.3425,  
0.3044

158.0449, 0.3227,  
0.3206

 2.7751, 0.3508,  
0.2977

195.7959, 0.3221,  
0.3212

 1.0155, 0.3656,  
0.2860

239.1253, 0.3215,

 0.0000, 0.9508,

0.3217

0.0000

288.4173, 0.3209,  
0.3222

■ 0.0000, 0.0000,  
0.0000

■ 39.5106, 0.3286,  
0.3158

■ 39.5106, 0.3286,  
0.3158

■ 32.9505, 0.3431,  
0.3057

■ 47.1035, 0.3167,  
0.3255

■ 27.3730, 0.3605,  
0.2953

■ 55.7659, 0.3069,  
0.3345

■ 22.7319, 0.3814,  
0.2853

■ 65.5394, 0.2989,  
0.3428

■ 18.9750, 0.4059,  
0.2762

■ 76.4614, 0.2924,  
0.3504

■ 16.0447, 0.4339,  
0.2692

■ 87.9222, 0.2869,  
0.3564

■ 13.8770, 0.4645,  
0.2655

■ 88.5939, 0.2809,  
0.3435

■ 12.3979, 0.4962,  
0.2662

■ 89.3095, 0.2751,  
0.3310

■ 11.5186, 0.5267,  
0.2721

■ 89.4357, 0.2742,  
0.3289

■ 11.1673, 0.5445,  
0.2773

# Harmonies

## Analogous

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



39.5106, 0.3119, 0.3054



39.5106, 0.3286, 0.3158



39.5106, 0.3412, 0.3297

# Triad

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



39.5106, 0.3286, 0.3158



39.5106, 0.3293, 0.3586



39.5106, 0.2806, 0.3129

# Complementary

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



39.5106, 0.3286, 0.3158



46.8770, 0.2991, 0.3426

# 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.



39.5106, 0.2850, 0.3273



39.5106, 0.3286, 0.3158



39.5106, 0.3128, 0.3543

# Square

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



39.5106, 0.3286, 0.3158



39.5106, 0.3415, 0.3545



39.5106, 0.2967, 0.3427



39.5106, 0.2845, 0.3034



# Rectangle

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



39.5106, 0.3286, 0.3158



39.5106, 0.3454, 0.3393



39.5106, 0.2967, 0.3427



39.5106, 0.2811, 0.3173

# Sweetspot

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



39.5123, 0.3286, 0.3158



85.0163, 0.3169, 0.3252



38.8901, 0.3048, 0.2943



18.0454, 0.3178, 0.3245



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



39.5123, 0.3286, 0.3158



67.2994, 0.3332, 0.3124



40.0690, 0.3374, 0.3325



9.5954, 0.3230, 0.3202



7.6137, 0.5412, 0.2755



0.3111, 0.4766, 0.2399



# Inverse Universe

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



39.5123, 0.3286, 0.3158



67.2994, 0.3332, 0.3124



46.1911, 0.2918, 0.3254



9.5954, 0.3230, 0.3202



7.6137, 0.5412, 0.2755

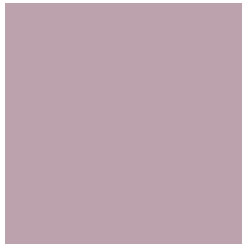


0.3111, 0.4766, 0.2399



# Previews

## White Background



This preview shows how the Yxy color 39.5106, 0.3286, 0.3158 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

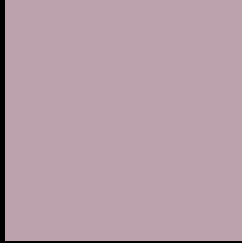
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.5106, 0.3286, 0.3158 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

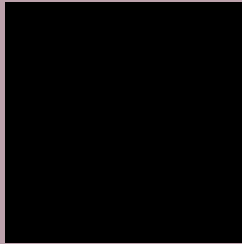
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.5106, 0.3286, 0.3158**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.5106, 0.3286, 0.3158.



This preview shows how white text looks on a background with the Yxy color 39.5106, 0.3286, 0.3158.

# 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

39.5106, 0.3286, 0.3158

### Protanopia

39.6465, 0.3086, 0.3193

### Deuteranopia

39.7198, 0.3245, 0.3183



## Tritanopia

39.5880, 0.3267, 0.3132

# Trichromacy



## Original Color

39.5106, 0.3286, 0.3158

## Protanomaly

39.6755, 0.3160, 0.3181

## Deuteranomaly

39.4872, 0.3256, 0.3170

## Tritanomaly

39.5492, 0.3277, 0.3145

# Monochromacy



## Original Color

39.5106, 0.3286, 0.3158

## Achromatopsia

40.7240, 0.3127, 0.3290

## Achromatomaly

40.2926, 0.3184, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.5106, 0.3286, 0.3158 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(188, 162, 172)` looks like.

```
.text, #text, p{  
    color:rgb(188, 162, 172)  
}
```

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(188, 162, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 162, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 39.5106, 0.3286, 0.3158 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(188, 162, 172) }
```

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

```
.border{ border-color:rgb(188, 162, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 162, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 162, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 162, 172);  
box-shadow:4px 4px 4px 4px rgb(188, 162,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.5106, 0.3286, 0.3158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 162, 172) }
```

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

```
.background{ background-color: rgb(188,  
162, 172) }
```

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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