

# Converting Colors

$Y_{xy}(39.8435, 0.3106, 0.3155)$

Have a look what the booklet for  
Yxy(39.8435, 0.3106, 0.3155)  
contains.

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# Color

**Yxy(39.8104, 0.3106, 0.3154)**

# Conversions

## Conversions Part 1

Format	Color
Hex	AEA7B1
RGB	174, 167, 177
RGB Percent	68%, 65%, 69%
CMY	0.3178, 0.3450, 0.3059
CMYK	0.02, 0.06, 0.00, 0.31
HSL	282°, 6%, 67%
HSV	282°, 6%, 69%
XYZ	39.2045, 39.8104, 47.2070
YIQ	170.2330, 0.9620, 4.5940

# Conversions

## Conversions Part 2

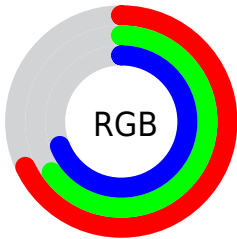
<b>Format</b>	<b>Color</b>
<b>RYB</b>	174, 167, 177
Decimal	11446193
CIELab	69.33, 4.37, -4.24
CIELCh	69, 6.094, 315.863
Yxy	39.8104, 0.3106, 0.3154
Android (android.graphics.Color)	4289636273 (0xFFAEA7B1)
YUV	170.2330, 3.3361, 3.3037
Hunter-Lab	63.0955, 0.4943, -0.1930

# Details

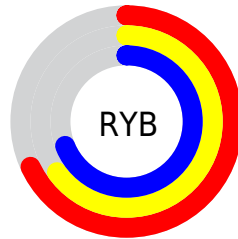
The Yxy color **39.8104, 0.3106, 0.3154** is a light color, and the websafe version is hex **999999**. A complement of this color would be **42.7804, 0.3147, 0.3428**, and the grayscale version is **40.3023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.7838, 0.3105, 0.3174**, and **17.8543, 0.3110, 0.3120** is the 20% darker color. If you saturate the color by 10%, you get **33.1618, 0.3063, 0.2901**, and if you desaturate by 10%, it is **47.3745, 0.3142, 0.3392**.

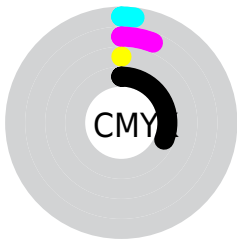
# Distribution



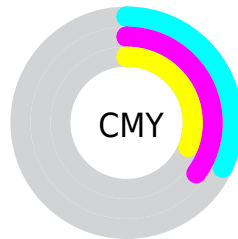
- Red (68%)
- Green (65%)
- Blue (69%)



- Red (68%)
- Yellow (65%)
- Blue (69%)



- Cyan (2%)
- Magenta (6%)
- Yellow (0%)
- Black (31%)



- Cyan (32%)
- Magenta (35%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.8104, 0.3106, 0.3154 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 39.8104, 0.3106, 0.3154 by changing the saturation by 10% instead.



■ 39.8104, 0.3106,  
0.3154

■ 39.8104, 0.3106,  
0.3154

345.3238, 0.3117,  
0.3223

■ 27.3907, 0.3103,  
0.3136

■ 74.8747, 0.3110,  
0.3179

■ 17.8669, 0.3099,  
0.3113

■ 98.2882, 0.3112,  
0.3189

■ 10.8545, 0.3094,  
0.3082

126.1350, 0.3113,  
0.3197

■ 5.9691, 0.3086,  
0.3038

158.7996, 0.3114,  
0.3204

■ 2.8263, 0.3073,  
0.2970

196.6664, 0.3115,  
0.3210

■ 1.0417, 0.3049,  
0.2851

240.1198, 0.3116,


■ 0.0000, 0.1450,


0.3215


0.0000


289.5441, 0.3117,  
0.3219

 0.0000, 0.0000,  
0.0000


 39.8104, 0.3106,  
0.3154


 39.8104, 0.3106,  
0.3154

 33.1618, 0.3063,  
0.2901


 47.3745, 0.3142,  
0.3392


 27.3874, 0.3012,  
0.2636


 55.8829, 0.3172,  
0.3611


 22.4504, 0.2953,  
0.2365

 65.3697, 0.3196,  
0.3812

 18.3094, 0.2886,  
0.2097

 75.8656, 0.3215,  
0.3994

 14.9193, 0.2812,  
0.1843

 87.0748, 0.3230,  
0.4154

■ 12.2305, 0.2734,  
0.1613

■ 87.8283, 0.3264,  
0.4145

■ 10.1872, 0.2652,  
0.1419

■ 88.6079, 0.3299,  
0.4136

■ 8.7250, 0.2571,  
0.1269

■ 89.4138, 0.3334,  
0.4126

■ 7.7621, 0.2493,  
0.1166

■ 90.2464, 0.3369,  
0.4117

# Harmonies

## Analogous

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



39.8104, 0.3022, 0.3137



39.8104, 0.3106, 0.3154



39.8104, 0.3196, 0.3206

# Triad

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



39.8104, 0.3106, 0.3154



39.8104, 0.3289, 0.3419



39.8104, 0.2987, 0.3298

# Complementary

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



39.8104, 0.3106, 0.3154



42.7804, 0.3147, 0.3428

# 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.



39.8104, 0.3057, 0.3377



39.8104, 0.3106, 0.3154



39.8104, 0.3232, 0.3447

# Square

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



39.8104, 0.3106, 0.3154



39.8104, 0.3303, 0.3358



39.8104, 0.3146, 0.3431



39.8104, 0.2955, 0.3219



# Rectangle

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



39.8104, 0.3106, 0.3154



39.8104, 0.3248, 0.3254



39.8104, 0.3146, 0.3431



39.8104, 0.3007, 0.3326

# Sweetspot

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



39.8121, 0.3106, 0.3154



75.9992, 0.3120, 0.3242



40.2054, 0.3043, 0.3195



16.5022, 0.3120, 0.3244



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290



# Same Dimension

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



39.8121, 0.3106, 0.3154



69.4428, 0.3100, 0.3117



40.0900, 0.3149, 0.3180



8.8073, 0.3099, 0.3109



5.4090, 0.2467, 0.1133



0.1989, 0.2683, 0.1252



# Inverse Universe

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



39.8920, 0.3193, 0.3249



69.6253, 0.3212, 0.3238



42.5160, 0.3106, 0.3403



8.8317, 0.3217, 0.3235



6.9717, 0.5718, 0.2924



0.2300, 0.4913, 0.2480



# Previews

## White Background



This preview shows how the Yxy color 39.8104, 0.3106, 0.3154 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

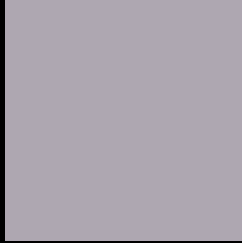
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.8104, 0.3106, 0.3154 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

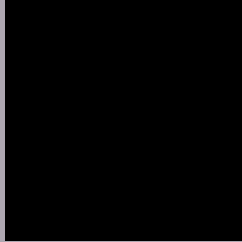
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

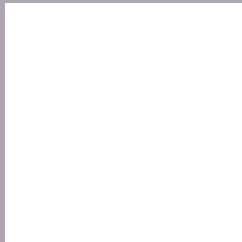
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 39.8104, 0.3106, 0.3154**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.8104, 0.3106, 0.3154.



This preview shows how white text looks on a background with the Yxy color 39.8104, 0.3106, 0.3154.

# 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

39.8104, 0.3106, 0.3154

### Protanopia

39.7657, 0.3061, 0.3152

### Deuteranopia

39.7104, 0.3173, 0.3103



## Tritanopia

39.9314, 0.3081, 0.3114

# Trichromacy



## Original Color

39.8104, 0.3106, 0.3154

## Protanomaly

39.8775, 0.3070, 0.3153

## Deuteranomaly

39.7083, 0.3145, 0.3115

## Tritanomaly

39.8908, 0.3089, 0.3127

# Monochromacy



## Original Color

39.8104, 0.3106, 0.3154

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

40.0510, 0.3112, 0.3235

# CSS Examples

## Text

The CSS property to change the color of the text to  $Yxy$  39.8104, 0.3106, 0.3154 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(174, 167, 177)` looks like.

```
.text, #text, p{  
    color:rgb(174, 167, 177)  
}
```

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(174, 167, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 167, 177) }
```

## Border

The CSS property to change the border of an element to Yxy 39.8104, 0.3106, 0.3154 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(174, 167, 177) }
```

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

```
.border{ border-color:rgb(174, 167, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 167, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 167, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 167, 177);  
box-shadow:4px 4px 4px 4px rgb(174, 167,  
177) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.8104, 0.3106, 0.3154 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 167, 177) }
```

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

```
.background{ background-color: rgb(174,  
167, 177) }
```

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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