

# Converting Colors

$Y_{xy}(39.1520, 0.3189, 0.3127)$

Have a look what the booklet for  
Yxy(39.1520, 0.3189, 0.3127)  
contains.

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# Color

**Yxy(39.1133, 0.3191, 0.3129)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B5A3AF
RGB	181, 163, 175
RGB Percent	71%, 64%, 69%
CMY	0.2902, 0.3607, 0.3137
CMYK	0.00, 0.10, 0.03, 0.29
HSL	320°, 11%, 67%
HSV	320°, 10%, 71%
XYZ	39.8883, 39.1133, 46.0009
YIQ	169.7500, 6.8760, 7.5480

# Conversions

## Conversions Part 2

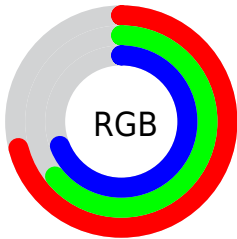
<b>Format</b>	<b>Color</b>
<b>RYB</b>	181, 163, 175
Decimal	11903919
CIELab	68.83, 8.68, -3.81
CIElCh	69, 9.483, 336.327
Yxy	39.1133, 0.3191, 0.3129
Android (android.graphics.Color)	4290093999 (0xFFB5A3AF)
YUV	169.7500, 2.5882, 9.8663
Hunter-Lab	62.5406, 4.4009, 0.1685

# Details

The Yxy color  $39.1133, 0.3191, 0.3129$  is a light color, and the websafe version is hex  $999999$ . A complement of this color would be  $43.6952, 0.3068, 0.3457$ , and the grayscale version is  $40.0519, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $73.8605, 0.3183, 0.3165$ , and  $17.3881, 0.3204, 0.3067$  is the 20% darker color. If you saturate the color by 10%, you get  $32.9089, 0.3267, 0.2960$ , and if you desaturate by 10%, it is  $46.2515, 0.3127, 0.3291$ .

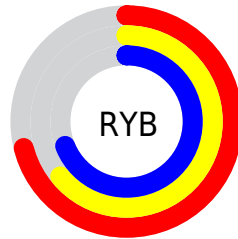
# Distribution



Red (71%)

Green (64%)

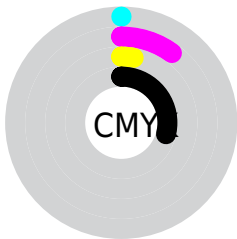
Blue (69%)



Red (71%)

Yellow (64%)

Blue (69%)

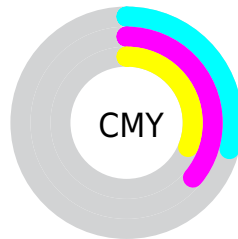


Cyan (0%)

Magenta (10%)

Yellow (3%)

Black (29%)



Cyan (29%)

Magenta (36%)


Yellow (31%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.1133, 0.3191, 0.3129 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 39.1133, 0.3191, 0.3129 by changing the saturation by 10% instead.





 39.1133, 0.3191,  
0.3129


 39.1133, 0.3191,  
0.3129


342.3720, 0.3159,  
0.3211

 26.8479, 0.3199,  
0.3108


 73.8114, 0.3179,  
0.3159

 17.4590, 0.3210,  
0.3081

 97.0128, 0.3175,  
0.3170

 10.5623, 0.3224,  
0.3044


124.6284, 0.3171,  
0.3180

 5.7733, 0.3245,  
0.2992

157.0425, 0.3168,  
0.3188

 2.7077, 0.3276,  
0.2912

194.6395, 0.3165,  
0.3195

 0.9811, 0.3330,  
0.2772

237.8038, 0.3163,


 0.0000, 0.4155,


0.3201


0.0000


286.9198, 0.3161,  
0.3206

 0.0000, 0.0000,  
0.0000


 39.1133, 0.3191,  
0.3129


 39.1133, 0.3191,  
0.3129


 32.9089, 0.3267,  
0.2960


 46.2515, 0.3127,  
0.3291

 27.5942, 0.3356,  
0.2787

 54.3551, 0.3073,  
0.3444

 23.1291, 0.3458,  
0.2616

 63.4605, 0.3028,  
0.3586

 19.4684, 0.3574,  
0.2455

 73.6007, 0.2990,  
0.3717

 16.5628, 0.3702,  
0.2314

 84.8072, 0.2959,  
0.3838

■ 14.3575, 0.3841,  
0.2202

■ 86.0556, 0.2927,  
0.3782

■ 12.7900, 0.3984,  
0.2131

■ 86.3644, 0.2896,  
0.3712

■ 11.7870, 0.4129,  
0.2108

■ 86.6846, 0.2864,  
0.3642

■ 11.1977, 0.4271,  
0.2127

■ 87.0165, 0.2833,  
0.3573

# Harmonies

## Analogous

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



39.1133, 0.3049, 0.3064



39.1133, 0.3191, 0.3129



39.1133, 0.3318, 0.3235

# Triad

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



39.1133, 0.3191, 0.3129



39.1133, 0.3325, 0.3529



39.1133, 0.2867, 0.3214

# Complementary

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



39.1133, 0.3191, 0.3129



43.6952, 0.3068, 0.3457

# 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.



39.1133, 0.2938, 0.3343



39.1133, 0.3191, 0.3129



39.1133, 0.3201, 0.3528

# Square

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



39.1133, 0.3191, 0.3129



39.1133, 0.3397, 0.3464



39.1133, 0.3060, 0.3460



39.1133, 0.2864, 0.3110



# Rectangle

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



39.1133, 0.3191, 0.3129



39.1133, 0.3376, 0.3316



39.1133, 0.3060, 0.3460



39.1133, 0.2884, 0.3256

# Sweetspot

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



39.1150, 0.3191, 0.3129



78.6809, 0.3146, 0.3241



37.9688, 0.3029, 0.3042



16.7805, 0.3151, 0.3229



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290



# Same Dimension

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



39.1150, 0.3191, 0.3129



67.4007, 0.3207, 0.3091



38.7735, 0.3272, 0.3250



8.5976, 0.3187, 0.3139



7.7313, 0.4255, 0.2118



0.2535, 0.3897, 0.1921



# Inverse Universe

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



39.1150, 0.3191, 0.3129



67.4007, 0.3207, 0.3091



44.0445, 0.2999, 0.3331



8.5976, 0.3187, 0.3139



7.7313, 0.4255, 0.2118

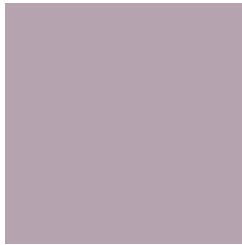


0.2535, 0.3897, 0.1921



# Previews

## White Background



This preview shows how the Yxy color 39.1133, 0.3191, 0.3129 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

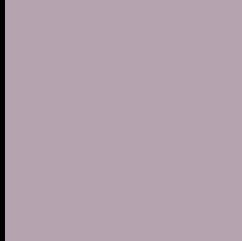
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.1133, 0.3191, 0.3129 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

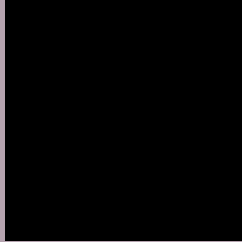
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.1133, 0.3191, 0.3129**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.1133, 0.3191, 0.3129.



This preview shows how white text looks on a background with the Yxy color 39.1133, 0.3191, 0.3129.

# 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

39.1133, 0.3191, 0.3129

### Protanopia

39.1366, 0.3052, 0.3151

### Deuteranopia

39.1133, 0.3191, 0.3129



## Tritanopia

39.1527, 0.3182, 0.3116

# Trichromacy



## Original Color

39.1133, 0.3191, 0.3129

## Protanomaly

39.2913, 0.3106, 0.3153

## Deuteranomaly

39.1133, 0.3191, 0.3129

## Tritanomaly

39.1527, 0.3182, 0.3116

# Monochromacy



## Original Color

39.1133, 0.3191, 0.3129

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

39.6147, 0.3149, 0.3221

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.1133, 0.3191, 0.3129 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(181, 163, 175)` looks like.

```
.text, #text, p{  
    color:rgb(181, 163, 175)  
}
```

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(181, 163, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 163, 175) }
```

## Border

The CSS property to change the border of an element to Yxy 39.1133, 0.3191, 0.3129 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(181, 163, 175) }
```

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

```
.border{ border-color:rgb(181, 163, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 163, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 163, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 163, 175);  
box-shadow:4px 4px 4px 4px rgb(181, 163,  
175) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.1133, 0.3191, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 163, 175) }
```

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

```
.background{ background-color: rgb(181,  
163, 175) }
```

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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