

# Converting Colors

$Y_{xy}(39.0952, 0.3155, 0.3190)$

Have a look what the booklet for  
Yxy(39.0952, 0.3155, 0.3190)  
contains.

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# Color

**Yxy(39.0414, 0.3151, 0.3181)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	AFA5AD
RGB	175, 165, 173
RGB Percent	69%, 65%, 68%
CMY	0.3138, 0.3529, 0.3217
CMYK	0.00, 0.06, 0.01, 0.31
HSL	312°, 6%, 67%
HSV	312°, 6%, 69%
XYZ	38.6732, 39.0414, 45.0185
YIQ	168.9020, 3.3920, 4.6080

# Conversions

## Conversions Part 2

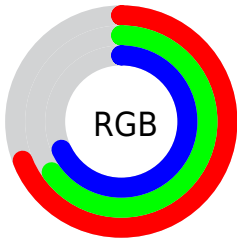
<b>Format</b>	<b>Color</b>
<b>RYB</b>	175, 165, 173
Decimal	11511213
CIELab	68.78, 5.07, -2.82
CIElCh	69, 5.801, 330.900
Yxy	39.0414, 0.3151, 0.3181
Android (android.graphics.Color)	4289701293 (0xFFAFA5AD)
YUV	168.9020, 2.0203, 5.3479
Hunter-Lab	62.4831, 1.1350, 1.0203

# Details

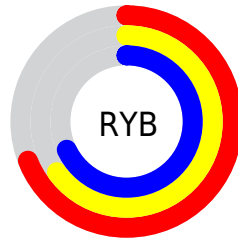
The Yxy color **39.0414, 0.3151, 0.3181** is a light color, and the websafe version is hex **999999**. A complement of this color would be **41.4477, 0.3104, 0.3401**, and the grayscale version is **39.6134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.7768, 0.3152, 0.3206**, and **17.4017, 0.3160, 0.3138** is the 20% darker color. If you saturate the color by 10%, you get **33.0208, 0.3198, 0.2984**, and if you desaturate by 10%, it is **45.9327, 0.3111, 0.3370**.

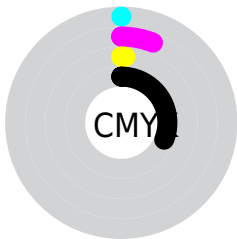
# Distribution



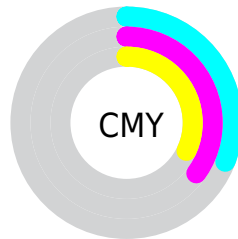
- Red (69%)
- Green (65%)
- Blue (68%)



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



- Cyan (0%)
- Magenta (6%)
- Yellow (1%)
- Black (31%)




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

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.0414, 0.3151, 0.3181 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 39.0414, 0.3151, 0.3181 by changing the saturation by 10% instead.





 39.0414, 0.3151,  
0.3181


 39.0414, 0.3151,  
0.3181


342.0665, 0.3139,  
0.3237

 26.7919, 0.3154,  
0.3167

 73.7016, 0.3147,  
0.3202

 17.4170, 0.3158,  
0.3148


 96.8810, 0.3145,  
0.3209

 10.5323, 0.3163,  
0.3123


124.4727, 0.3144,  
0.3216

 5.7533, 0.3171,  
0.3086

156.8608, 0.3142,  
0.3221

 2.6956, 0.3182,  
0.3030

194.4299, 0.3141,  
0.3226

 0.9750, 0.3202,  
0.2931


237.5642, 0.3140,


 0.0000, 0.0000,


0.3230


0.0000


286.6483, 0.3140,  
0.3234

 39.0414, 0.3151,  
0.3181

 39.0414, 0.3151,  
0.3181

 33.0208, 0.3198,  
0.2984


 45.9327, 0.3111,  
0.3370

 27.8310, 0.3252,  
0.2782


 53.7227, 0.3076,  
0.3548

 23.4365, 0.3313,  
0.2581

 62.4440, 0.3047,  
0.3714

 19.7971, 0.3380,  
0.2389

 72.1264, 0.3022,  
0.3867

 16.8694, 0.3453,  
0.2214

 82.7983, 0.3001,  
0.4007

■ 14.6052, 0.3530,  
0.2067

■ 84.5365, 0.2983,  
0.3990

■ 12.9507, 0.3609,  
0.1957

■ 84.6976, 0.2964,  
0.3948

■ 11.8434, 0.3687,  
0.1889

■ 84.8624, 0.2946,  
0.3905

■ 11.2034, 0.3762,  
0.1867

■ 85.0311, 0.2927,  
0.3863

# Harmonies

## Analogous

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



39.0414, 0.3065, 0.3147



39.0414, 0.3151, 0.3181



39.0414, 0.3232, 0.3243

# Triad

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



39.0414, 0.3151, 0.3181



39.0414, 0.3259, 0.3432



39.0414, 0.2972, 0.3258

# Complementary

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



39.0414, 0.3151, 0.3181



41.4477, 0.3104, 0.3401

# 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.



39.0414, 0.3023, 0.3337



39.0414, 0.3151, 0.3181



39.0414, 0.3188, 0.3438

# Square

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



39.0414, 0.3151, 0.3181



39.0414, 0.3295, 0.3387



39.0414, 0.3102, 0.3403



39.0414, 0.2962, 0.3190



# Rectangle

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



39.0414, 0.3151, 0.3181



39.0414, 0.3271, 0.3293



39.0414, 0.3102, 0.3403



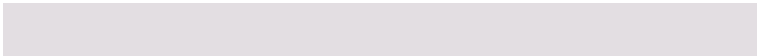
39.0414, 0.2985, 0.3285

# Sweetspot

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



39.0431, 0.3151, 0.3181



74.2767, 0.3135, 0.3251



38.2251, 0.3060, 0.3150



16.5384, 0.3135, 0.3254



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.



39.0431, 0.3151, 0.3181



68.3105, 0.3157, 0.3153



38.8543, 0.3194, 0.3249



8.3753, 0.3159, 0.3147



7.8839, 0.3787, 0.1860



0.2263, 0.3582, 0.1747



# Inverse Universe

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



39.0431, 0.3151, 0.3181



68.3105, 0.3157, 0.3153



41.6350, 0.3064, 0.3331



8.3753, 0.3159, 0.3147



7.8839, 0.3787, 0.1860

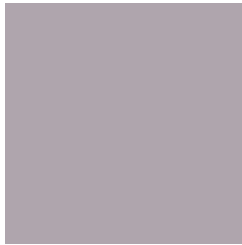


0.2263, 0.3582, 0.1747



# Previews

## White Background



This preview shows how the Yxy color 39.0414, 0.3151, 0.3181 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

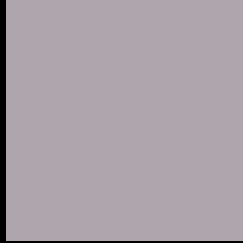
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.0414, 0.3151, 0.3181 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

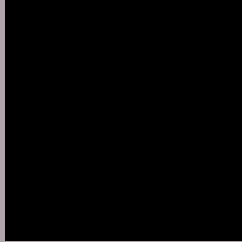
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

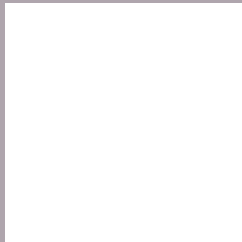
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 39.0414, 0.3151, 0.3181**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.0414, 0.3151, 0.3181.



This preview shows how white text looks on a background with the Yxy color 39.0414, 0.3151, 0.3181.

# 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

39.0414, 0.3151, 0.3181

### Protanopia

39.1284, 0.3086, 0.3193

### Deuteranopia

39.0353, 0.3209, 0.3155



## Tritanopia

38.9554, 0.3126, 0.3113

# Trichromacy



## Original Color

39.0414, 0.3151, 0.3181

## Protanomaly

38.9864, 0.3105, 0.3179

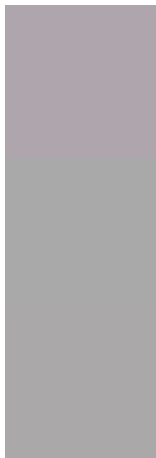
## Deuteranomaly

39.1518, 0.3189, 0.3168

## Tritanomaly

38.9156, 0.3135, 0.3127

# Monochromacy



## Original Color

39.0414, 0.3151, 0.3181

## Achromatopsia

39.6755, 0.3127, 0.3290

## Achromatomaly

39.5655, 0.3138, 0.3262

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.0414, 0.3151, 0.3181 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(175, 165, 173)` looks like.

```
.text, #text, p{  
    color:rgb(175, 165, 173)  
}
```

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(175, 165, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 165, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 39.0414, 0.3151, 0.3181 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(175, 165, 173) }
```

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

```
.border{ border-color:rgb(175, 165, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 165, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 165, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 165, 173);  
box-shadow:4px 4px 4px 4px rgb(175, 165,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.0414, 0.3151, 0.3181 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 165, 173) }
```

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

```
.background{ background-color: rgb(175,  
165, 173) }
```

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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