

# Converting Colors

$Y_{xy}(39.7853, 0.3195, 0.3180)$

Have a look what the booklet for  
Yxy(39.7853, 0.3195, 0.3180)  
contains.

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# Color

**Yxy(39.6307, 0.3197, 0.3182)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B4A5AD
RGB	180, 165, 173
RGB Percent	71%, 65%, 68%
CMY	0.2942, 0.3529, 0.3215
CMYK	0.00, 0.08, 0.04, 0.29
HSL	328°, 9%, 68%
HSV	328°, 8%, 71%
XYZ	39.8175, 39.6307, 45.0983
YIQ	170.3970, 6.3720, 5.6680

# Conversions

## Conversions Part 2

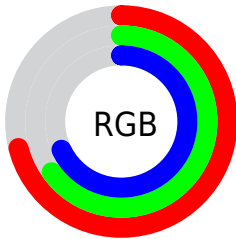
Format	Color
R <sub>Y</sub> B	180, 165, 173
Decimal	11838893
CIE Lab	69.21, 6.86, -2.18
CIE LCh	69, 7.195, 342.386
Yxy	39.6307, 0.3197, 0.3182
Android (android.graphics.Color)	4290028973 (0xFFB4A5AD)
YUV	170.3970, 1.2833, 8.4218
Hunter-Lab	62.9529, 2.7331, 1.5928

# Details

The Yxy color **39.6307, 0.3197, 0.3182** is a light color, and the websafe version is hex **999999**. A complement of this color would be **43.6094, 0.3063, 0.3401**, and the grayscale version is **40.3980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6207, 0.3188, 0.3207**, and **17.7028, 0.3213, 0.3141** is the 20% darker color. If you saturate the color by 10%, you get **33.2763, 0.3296, 0.3046**, and if you desaturate by 10%, it is **46.9224, 0.3114, 0.3311**.

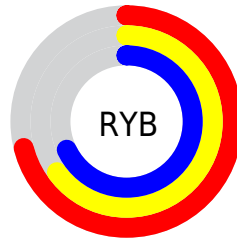
# Distribution



Red (71%)

Green (65%)

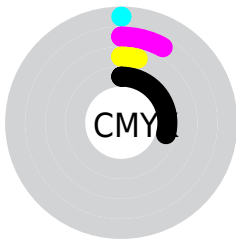
Blue (68%)



Red (71%)

Yellow (65%)

Blue (68%)

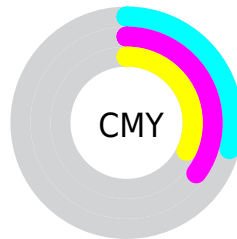


Cyan (0%)

Magenta (8%)

Yellow (4%)

Black (29%)



Cyan (29%)

Magenta (35%)


Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.6307, 0.3197, 0.3182 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 39.6307, 0.3197, 0.3182 by changing the saturation by 10% instead.





 39.6307, 0.3197,  
0.3182


 39.6307, 0.3197,  
0.3182


344.5646, 0.3161,  
0.3237

 27.2507, 0.3206,  
0.3168


 74.6008, 0.3184,  
0.3202

 17.7616, 0.3218,  
0.3150


 97.9598, 0.3179,  
0.3210

 10.7790, 0.3234,  
0.3125


125.7472, 0.3175,  
0.3216

 5.9184, 0.3257,  
0.3089

158.3474, 0.3171,  
0.3222

 2.7955, 0.3293,  
0.3034

196.1448, 0.3168,  
0.3226

 1.0259, 0.3356,  
0.2939

239.5239, 0.3166,

 0.0000, 0.5975,

0.3230

0.0000

288.8690, 0.3163,  
0.3234

0.0000, 0.0000,  
0.0000

39.6307, 0.3197,  
0.3182

39.6307, 0.3197,  
0.3182

33.2763, 0.3296,  
0.3046

46.9224, 0.3114,  
0.3311

27.8157, 0.3415,  
0.2905

55.1824, 0.3046,  
0.3432

23.2097, 0.3555,  
0.2764

64.4465, 0.2989,  
0.3544

19.4141, 0.3717,  
0.2630

74.7471, 0.2942,  
0.3647

16.3807, 0.3903,  
0.2512

86.1154, 0.2903,  
0.3741

■ 14.0561, 0.4108,  
0.2421

■ 86.5571, 0.2859,  
0.3644

■ 12.3799, 0.4326,  
0.2369

■ 87.0196, 0.2817,  
0.3548

■ 11.2817, 0.4549,  
0.2366

■ 87.5047, 0.2775,  
0.3454

■ 10.6442, 0.4768,  
0.2411

■ 88.0126, 0.2733,  
0.3362

# Harmonies

## Analogous

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



39.6307, 0.3090, 0.3125



39.6307, 0.3197, 0.3182



39.6307, 0.3287, 0.3267

# Triad

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



39.6307, 0.3197, 0.3182



39.6307, 0.3261, 0.3474



39.6307, 0.2925, 0.3215

# Complementary

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



39.6307, 0.3197, 0.3182



43.6094, 0.3063, 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.



39.6307, 0.2970, 0.3311



39.6307, 0.3197, 0.3182



39.6307, 0.3162, 0.3462

# Square

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



39.6307, 0.3197, 0.3182



39.6307, 0.3324, 0.3435



39.6307, 0.3056, 0.3402



39.6307, 0.2934, 0.3142



# Rectangle

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



39.6307, 0.3197, 0.3182



39.6307, 0.3324, 0.3329



39.6307, 0.3056, 0.3402



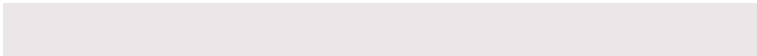
39.6307, 0.2934, 0.3246

# Sweetspot

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



39.6324, 0.3197, 0.3182



79.9867, 0.3143, 0.3264



38.9501, 0.3061, 0.3085



17.3196, 0.3142, 0.3265



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.



39.6324, 0.3197, 0.3182



69.6181, 0.3214, 0.3157



39.3586, 0.3262, 0.3280



8.5788, 0.3206, 0.3169



7.3807, 0.4780, 0.2407



0.2439, 0.4231, 0.2104



# Inverse Universe

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



39.6324, 0.3197, 0.3182



69.6181, 0.3214, 0.3157



43.8963, 0.3007, 0.3300



8.5788, 0.3206, 0.3169



7.3807, 0.4780, 0.2407



0.2439, 0.4231, 0.2104



# Previews

## White Background



This preview shows how the Yxy color 39.6307, 0.3197, 0.3182 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

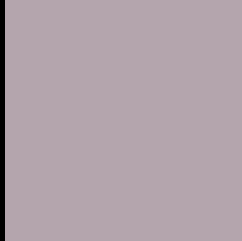
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.6307, 0.3197, 0.3182 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

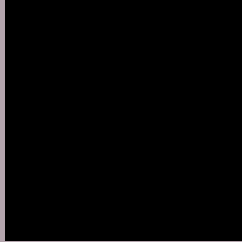
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.6307, 0.3197, 0.3182**

## Background



This preview shows how black text looks on a background with the Yxy color 39.6307, 0.3197, 0.3182.



This preview shows how white text looks on a background with the Yxy color 39.6307, 0.3197, 0.3182.

# 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

39.6307, 0.3197, 0.3182

### Protanopia

39.6465, 0.3086, 0.3193

### Deuteranopia

39.6353, 0.3227, 0.3170



## Tritanopia

39.5490, 0.3173, 0.3116

# Trichromacy



## Original Color

39.6307, 0.3197, 0.3182

## Protanomaly

39.6921, 0.3132, 0.3194

## Deuteranomaly

39.5131, 0.3217, 0.3169

## Tritanomaly

39.5093, 0.3181, 0.3129

# Monochromacy



## Original Color

39.6307, 0.3197, 0.3182

## Achromatopsia

40.1978, 0.3127, 0.3290

## Achromatomaly

39.9442, 0.3157, 0.3249

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.6307, 0.3197, 0.3182 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(180, 165, 173)` looks like.

```
.text, #text, p{  
    color:rgb(180, 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(180, 165, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 165, 173) }
```

## Border

The CSS property to change the border of an element to Yxy 39.6307, 0.3197, 0.3182 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(180, 165, 173) }
```

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

```
.border{ border-color:rgb(180, 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(180, 165, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 165, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 165, 173);  
box-shadow:4px 4px 4px 4px rgb(180, 165,  
173) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.6307, 0.3197, 0.3182 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 165, 173) }
```

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

```
.background{ background-color: rgb(180,  
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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