

# Converting Colors

$Yxy(39.9537, 0.3315, 0.3601)$

Have a look what the booklet for  
Yxy(39.9537, 0.3315, 0.3601)  
contains.

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# Color

**Yxy(39.9537, 0.3315, 0.3601)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABAB95
RGB	171, 171, 149
RGB Percent	67%, 67%, 58%
CMY	0.3295, 0.3294, 0.4156
CMYK	0.00, 0.00, 0.13, 0.33
HSL	60°, 12%, 63%
HSV	60°, 13%, 67%
XYZ	36.7805, 39.9537, 34.2175
YIQ	168.4920, 7.0620, -6.8420

# Conversions

## Conversions Part 2

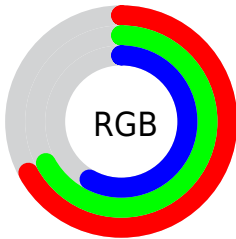
Format	Color
R <sub>Y</sub> B	149, 171, 149
Decimal	11250581
CIE Lab	69.44, -3.90, 11.33
CIE LCh	69, 11.982, 109.004
Yxy	39.9537, 0.3315, 0.3601
Android (android.graphics.Color)	4289440661 (0xFFABAB95)
YUV	168.4920, -9.6096, 2.1995
Hunter-Lab	63.2089, -6.7488, 12.1502

# Details

The Yxy color **39.9537, 0.3315, 0.3601** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.8386, 0.2927, 0.2959**, and the grayscale version is **39.4583, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8733, 0.3278, 0.3540**, and **17.9974, 0.3378, 0.3705** is the 20% darker color. If you saturate the color by 10%, you get **39.4460, 0.3464, 0.3848**, and if you desaturate by 10%, it is **40.5451, 0.3168, 0.3358**.

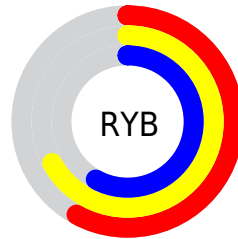
# Distribution



Red (67%)

Green (67%)

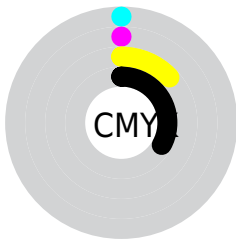
Blue (58%)



Red (58%)

Yellow (67%)

Blue (58%)

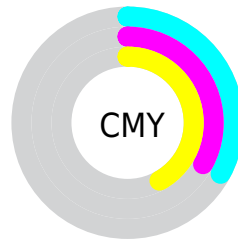


Cyan (0%)

Magenta (0%)

Yellow (13%)

Black (33%)



Cyan (33%)

Magenta (33%)


Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 39.9537, 0.3315, 0.3601 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 39.9537, 0.3315, 0.3601 by changing the saturation by 10% instead.





 39.9537, 0.3315,  
0.3601


 39.9537, 0.3315,  
0.3601


345.9284, 0.3219,  
0.3440

 27.5024, 0.3339,  
0.3643


 75.0930, 0.3280,  
0.3541

 17.9509, 0.3371,  
0.3698


 98.5498, 0.3267,  
0.3519

 10.9148, 0.3413,  
0.3773


126.4440, 0.3256,  
0.3501

 6.0095, 0.3473,  
0.3882

159.1599, 0.3246,  
0.3485

 2.8509, 0.3564,  
0.4052

197.0819, 0.3238,  
0.3471

 1.0544, 0.3911,  
0.4587

240.5943, 0.3231,

 0.0000, 0.0000,

0.3460

0.0000

290.0817, 0.3225,  
0.3449

■ 39.9537, 0.3315,  
0.3601

■ 39.9537, 0.3315,  
0.3601

■ 39.4460, 0.3464,  
0.3848

■ 40.5451, 0.3168,  
0.3358

■ 39.0134, 0.3612,  
0.4093

■ 41.2182, 0.3027,  
0.3124

■ 38.6537, 0.3752,  
0.4325

■ 41.9779, 0.2894,  
0.2904

■ 38.3629, 0.3880,  
0.4537

■ 42.8270, 0.2770,  
0.2699

■ 38.1367, 0.3989,  
0.4719

■ 43.7685, 0.2656,  
0.2511

■ 37.9700, 0.4076,  
0.4863

■ 44.8049, 0.2553,  
0.2339

■ 37.8572, 0.4138,  
0.4966

■ 45.0225, 0.2533,  
0.2307

■ 37.7914, 0.4175,  
0.5027

■ 45.0251, 0.2533,  
0.2307

■ 37.7625, 0.4191,  
0.5054

■ 45.0276, 0.2534,  
0.2307

# Harmonies

## Analogous

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



39.9537, 0.3438, 0.3550



39.9537, 0.3315, 0.3601



39.9537, 0.3144, 0.3564

# Triad

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



39.9537, 0.3315, 0.3601



39.9537, 0.2790, 0.3132



39.9537, 0.3280, 0.3140

# Complementary

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



39.9537, 0.3315, 0.3601



30.8386, 0.2927, 0.2959

# 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.



39.9537, 0.3103, 0.3035



39.9537, 0.3315, 0.3601



39.9537, 0.2824, 0.3027

# Square

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



39.9537, 0.3315, 0.3601



39.9537, 0.2844, 0.3286



39.9537, 0.2936, 0.2993



39.9537, 0.3418, 0.3284



# Rectangle

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



39.9537, 0.3315, 0.3601



39.9537, 0.3027, 0.3493



39.9537, 0.2936, 0.2993



39.9537, 0.3222, 0.3099

# Sweetspot

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



39.9555, 0.3315, 0.3601



72.4698, 0.3186, 0.3387



32.3329, 0.3356, 0.3291



16.1428, 0.3196, 0.3405



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290



# Same Dimension

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



39.9555, 0.3315, 0.3601



71.3174, 0.3351, 0.3661



38.7752, 0.3212, 0.3611



9.3297, 0.3263, 0.3514



28.4644, 0.4191, 0.5054



0.7920, 0.4192, 0.5054



# Inverse Universe

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



30.8386, 0.2927, 0.2959



52.2473, 0.2886, 0.2891



31.9192, 0.3033, 0.2969



7.7577, 0.2986, 0.3056



2.2178, 0.1501, 0.0600



0.0619, 0.1503, 0.0602



# Previews

## White Background



This preview shows how the Yxy color 39.9537, 0.3315, 0.3601 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

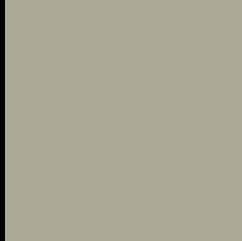
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 39.9537, 0.3315, 0.3601 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

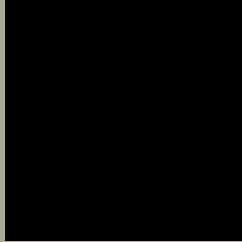
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 39.9537, 0.3315, 0.3601**

## **Background**



This preview shows how black text looks on a background with the Yxy color 39.9537, 0.3315, 0.3601.



This preview shows how white text looks on a background with the Yxy color 39.9537, 0.3315, 0.3601.

# 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

39.9537, 0.3315, 0.3601

### Protanopia

39.8612, 0.3386, 0.3583

### Deuteranopia

39.7662, 0.3529, 0.3450



## Tritanopia

40.0467, 0.3090, 0.3114

# Trichromacy



## Original Color

39.9537, 0.3315, 0.3601

## Protanomaly

40.0015, 0.3364, 0.3598

## Deuteranomaly

39.7887, 0.3452, 0.3508

## Tritanomaly

39.8685, 0.3174, 0.3276

# Monochromacy



## Original Color

39.9537, 0.3315, 0.3601

## Achromatopsia

39.1572, 0.3127, 0.3290

## Achromatomaly

39.3842, 0.3195, 0.3403

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 39.9537, 0.3315, 0.3601 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(171, 171, 149)` looks like.

```
.text, #text, p{  
    color:rgb(171, 171, 149)  
}
```

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(171, 171, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 171, 149) }
```

## Border

The CSS property to change the border of an element to Yxy 39.9537, 0.3315, 0.3601 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(171, 171, 149) }
```

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

```
.border{ border-color:rgb(171, 171, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 171, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 171, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 171, 149);  
box-shadow:4px 4px 4px 4px rgb(171, 171,  
149) }
```



# Background

The CSS property to change the background color of an element to Yxy 39.9537, 0.3315, 0.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 171, 149) }
```

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

```
.background{ background-color: rgb(171,  
171, 149) }
```

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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