

Converting Colors

$Y_{xy}(39.8290, 0.3239, 0.3452)$

Have a look what the booklet for
Yxy(39.8290, 0.3239, 0.3452)
contains.

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Color

Yxy(39.8760, 0.3239, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	ABAA9E
RGB	171, 170, 158
RGB Percent	67%, 67%, 62%
CMY	0.3294, 0.3333, 0.3805
CMYK	0.00, 0.01, 0.08, 0.33
HSL	55°, 7%, 65%
HSV	55°, 8%, 67%
XYZ	37.3398, 39.8760, 38.0661
YIQ	168.9310, 4.4480, -3.5200

Conversions

Conversions Part 2

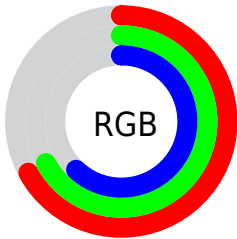
Format	Color
RYB	159, 171, 158
Decimal	11250334
CIELab	69.38, -1.83, 6.32
CIELCh	69, 6.574, 106.119
Yxy	39.8760, 0.3239, 0.3459
Android (android.graphics.Color)	4289440414 (0xFFABAA9E)
YUV	168.9310, -5.3890, 1.8145
Hunter-Lab	63.1474, -4.9590, 8.4625

Details

The Yxy color **39.8760, 0.3239, 0.3459** is a light color, and the websafe version is hex **999999**. A complement of this color would be **34.9956, 0.3012, 0.3115**, and the grayscale version is **39.6662, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.8233, 0.3213, 0.3420**, and **17.9403, 0.3271, 0.3506** is the 20% darker color. If you saturate the color by 10%, you get **38.8401, 0.3392, 0.3687**, and if you desaturate by 10%, it is **41.0022, 0.3093, 0.3238**.

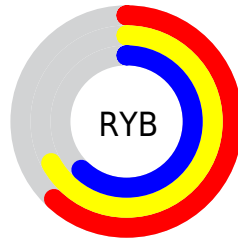
Distribution



Red (67%)

Green (67%)

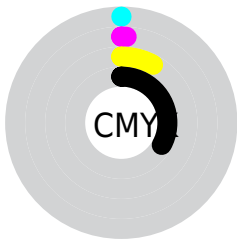
Blue (62%)



Red (62%)

Yellow (67%)

Blue (62%)

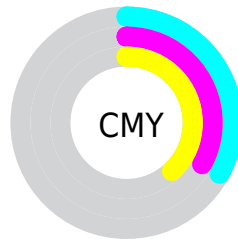


Cyan (0%)

Magenta (1%)

Yellow (8%)

Black (33%)



Cyan (33%)


Magenta (33%)

Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8760, 0.3239, 0.3459 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 39.8760, 0.3239, 0.3459 by changing the saturation by 10% instead.


 39.8760, 0.3239,
0.3459


 39.8760, 0.3239,
0.3459


345.6007, 0.3182,
0.3372

 27.4419, 0.3254,
0.3482


 74.9747, 0.3218,
0.3427

 17.9054, 0.3273,
0.3511


 98.4080, 0.3210,
0.3415

 10.8821, 0.3299,
0.3552


126.2765, 0.3203,
0.3405

 5.9876, 0.3336,
0.3610

158.9646, 0.3198,
0.3396

 2.8375, 0.3394,
0.3702

196.8566, 0.3193,
0.3389

 1.0475, 0.3528,
0.3904

240.3371, 0.3189,

 0.0000, 0.0000,

0.3383

0.0000

289.7903, 0.3185,
0.3377

■ 39.8760, 0.3239,
0.3459

■ 39.8760, 0.3239,
0.3459

■ 38.8401, 0.3392,
0.3687

■ 41.0022, 0.3093,
0.3238

■ 37.8860, 0.3548,
0.3918

■ 42.2167, 0.2956,
0.3029

■ 37.0117, 0.3704,
0.4144

■ 43.5242, 0.2830,
0.2834

■ 36.2134, 0.3854,
0.4356

■ 44.9276, 0.2713,
0.2653

■ 35.4869, 0.3991,
0.4546

■ 46.4297, 0.2608,
0.2487

■ 34.8273, 0.4111,
0.4703

■ 47.6684, 0.2543,
0.2389

■ 34.2296, 0.4207,
0.4822

■ 48.1922, 0.2545,
0.2405

■ 33.6874, 0.4278,
0.4898

■ 48.7210, 0.2547,
0.2420

■ 33.1911, 0.4323,
0.4935

■ 49.2548, 0.2549,
0.2436

Harmonies

Analogous

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



39.8760, 0.3302, 0.3429



39.8760, 0.3239, 0.3459



39.8760, 0.3147, 0.3442

Triad

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



39.8760, 0.3239, 0.3459



39.8760, 0.2941, 0.3212



39.8760, 0.3203, 0.3200

Complementary

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



39.8760, 0.3239, 0.3459



34.9956, 0.3012, 0.3115

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.



39.8760, 0.3105, 0.3144



39.8760, 0.3239, 0.3459



39.8760, 0.2955, 0.3150

Square

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



39.8760, 0.3239, 0.3459



39.8760, 0.2976, 0.3298



39.8760, 0.3015, 0.3125



39.8760, 0.3280, 0.3280

Rectangle

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



39.8760, 0.3239, 0.3459



39.8760, 0.3082, 0.3407



39.8760, 0.3015, 0.3125



39.8760, 0.3171, 0.3178

Sweetspot

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



39.8777, 0.3239, 0.3459



72.5197, 0.3157, 0.3335



35.6100, 0.3245, 0.3275



16.1772, 0.3155, 0.3332



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.



39.8777, 0.3239, 0.3459



71.1187, 0.3262, 0.3494



39.6566, 0.3188, 0.3476



9.2235, 0.3264, 0.3497



24.9673, 0.4332, 0.4943



0.7249, 0.4285, 0.4979

Inverse Universe

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



34.9956, 0.3012, 0.3115



60.7141, 0.2988, 0.3078



35.2161, 0.3063, 0.3103



7.8522, 0.2985, 0.3074



2.4684, 0.1517, 0.0661



0.0999, 0.1588, 0.0915

Previews

White Background



This preview shows how the Yxy color 39.8760, 0.3239, 0.3459 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 39.8760, 0.3239, 0.3459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

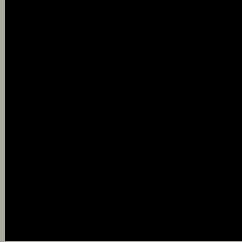
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

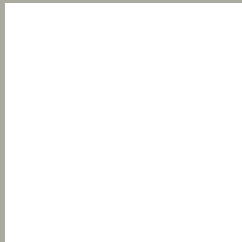
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8760, 0.3239, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 39.8760, 0.3239, 0.3459.



This preview shows how white text looks on a background with the Yxy color 39.8760, 0.3239, 0.3459.

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

39.8760, 0.3239, 0.3459

Protanopia

39.9242, 0.3287, 0.3457

Deuteranopia

39.8729, 0.3412, 0.3358



Tritanopia

39.9314, 0.3081, 0.3114

Trichromacy



Original Color

39.8760, 0.3239, 0.3459

Protanomaly

39.8089, 0.3277, 0.3458

Deuteranomaly

39.7207, 0.3340, 0.3386

Tritanomaly

39.8681, 0.3139, 0.3235

Monochromacy



Original Color

39.8760, 0.3239, 0.3459

Achromatopsia

39.6755, 0.3127, 0.3290

Achromatomaly

39.6386, 0.3170, 0.3346

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8760, 0.3239, 0.3459 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, 170, 158)` looks like.

```
.text, #text, p{  
    color:rgb(171, 170, 158)  
}
```

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, 170, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 170, 158) }
```

Border

The CSS property to change the border of an element to Yxy 39.8760, 0.3239, 0.3459 is called "border". The border property can be set on classes, ids or directly on the HTML element.

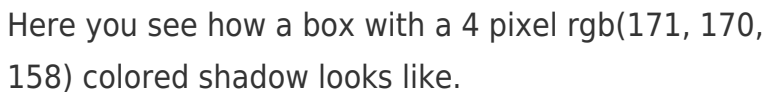
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(171, 170, 158) }
```

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

```
.border{ border-color:rgb(171, 170, 158) }
```

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



Here you see how a box with a 4 pixel `rgb(171, 170, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 170, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 170, 158); box-shadow:4px 4px 4px 4px rgb(171, 170, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8760, 0.3239, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 170, 158) }
```

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

```
.background{ background-color: rgb(171,  
170, 158) }
```

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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