

Converting Colors

$Y_{xy}(39.8130, 0.33337, 0.3705)$

Have a look what the booklet for
Yxy(39.8130, 0.3337, 0.3705)
contains.

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Color

Yxy(39.8130, 0.3337, 0.3705)

Conversions

Conversions Part 1

Format	Color
Hex	A8AC8F
RGB	168, 172, 143
RGB Percent	66%, 67%, 56%
CMY	0.3412, 0.3255, 0.4392
CMYK	0.02, 0.00, 0.17, 0.33
HSL	68°, 15%, 62%
HSV	68°, 17%, 67%
XYZ	35.8586, 39.8130, 31.7859
YIQ	167.4980, 6.9250, -9.8670

Conversions

Conversions Part 2

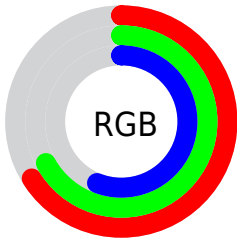
Format	Color
RYB	143, 172, 147
Decimal	11054223
CIELab	69.34, -6.54, 14.46
CIELCh	69, 15.867, 114.339
Yxy	39.8130, 0.3337, 0.3705
Android (android.graphics.Color)	4289244303 (0xFFA8AC8F)
YUV	167.4980, -12.0775, 0.4403
Hunter-Lab	63.0975, -8.9785, 14.3004

Details

The Yxy color **39.8130, 0.3337, 0.3705** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.8328, 0.2896, 0.2849**, and the grayscale version is **38.9576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.6574, 0.3295, 0.3619**, and **17.9363, 0.3395, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **39.0739, 0.3462, 0.3961**, and if you desaturate by 10%, it is **40.6403, 0.3212, 0.3455**.

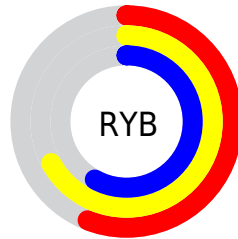
Distribution



Red (66%)

Green (67%)

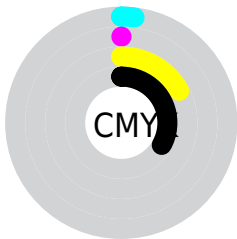
Blue (56%)



Red (56%)

Yellow (67%)

Blue (58%)

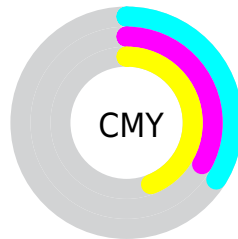


Cyan (2%)

Magenta (0%)

Yellow (17%)

Black (33%)



Cyan (34%)


Magenta (33%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.8130, 0.3337, 0.3705 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 39.8130, 0.3337, 0.3705 by changing the saturation by 10% instead.


 39.8130, 0.3337,
0.3705


 39.8130, 0.3337,
0.3705


345.3348, 0.3231,
0.3489

 27.3928, 0.3364,
0.3762


 74.8787, 0.3298,
0.3625

 17.8684, 0.3398,
0.3836


 98.2929, 0.3284,
0.3595

 10.8556, 0.3443,
0.3938


126.1406, 0.3272,
0.3570

 5.9698, 0.3506,
0.4085

158.8062, 0.3261,
0.3549

 2.8267, 0.3597,
0.4317

196.6739, 0.3252,
0.3531

 1.0420, 0.4157,
0.5264

240.1284, 0.3244,

 0.0000, 0.0000,

0.3515

0.0000

289.5539, 0.3237,
0.3501

■ 39.8130, 0.3337,
0.3705

■ 39.8130, 0.3337,
0.3705

■ 39.0739, 0.3462,
0.3961

■ 40.6403, 0.3212,
0.3455

■ 38.4141, 0.3583,
0.4216

■ 41.5540, 0.3089,
0.3216

■ 37.8315, 0.3694,
0.4461

■ 42.5591, 0.2972,
0.2993

■ 37.3217, 0.3791,
0.4686

■ 43.6585, 0.2862,
0.2785

■ 36.8800, 0.3868,
0.4881

■ 44.8554, 0.2760,
0.2595

■ 36.5012, 0.3921,
0.5038

■ 46.1523, 0.2665,
0.2422

■ 36.1789, 0.3949,
0.5152

■ 46.9980, 0.2628,
0.2343

■ 35.9044, 0.3953,
0.5224

■ 47.2957, 0.2645,
0.2347

■ 35.8224, 0.3953,
0.5244

■ 47.5984, 0.2662,
0.2351

Harmonies

Analogous

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



39.8130, 0.3517, 0.3653



39.8130, 0.3337, 0.3705



39.8130, 0.3105, 0.3636

Triad

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



39.8130, 0.3337, 0.3705



39.8130, 0.2683, 0.3047



39.8130, 0.3367, 0.3123

Complementary

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



39.8130, 0.3337, 0.3705



28.8328, 0.2896, 0.2849

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.



39.8130, 0.3136, 0.2975



39.8130, 0.3337, 0.3705



39.8130, 0.2746, 0.2927

Square

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



39.8130, 0.3337, 0.3705



39.8130, 0.2733, 0.3243



39.8130, 0.2909, 0.2903



39.8130, 0.3537, 0.3315

Rectangle

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



39.8130, 0.3337, 0.3705



39.8130, 0.2954, 0.3529



39.8130, 0.2909, 0.2903



39.8130, 0.3294, 0.3067

Sweetspot

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



39.8148, 0.3337, 0.3705



74.0036, 0.3190, 0.3412



31.5845, 0.3433, 0.3347



16.0591, 0.3198, 0.3428



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.



39.8148, 0.3337, 0.3705



71.7372, 0.3381, 0.3794



38.3256, 0.3203, 0.3723



9.2732, 0.3242, 0.3516



26.6737, 0.3955, 0.5241



0.7572, 0.4032, 0.5180

Inverse Universe

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



28.8328, 0.2896, 0.2849



48.2578, 0.2842, 0.2747



30.2436, 0.3038, 0.2868



7.8084, 0.3006, 0.3057



2.3739, 0.1563, 0.0634



0.0821, 0.1779, 0.0754

Previews

White Background



This preview shows how the Yxy color 39.8130, 0.3337, 0.3705 looks on a white background.

Color Contrast Check

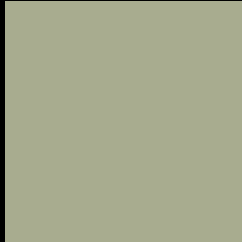
Large Text (above 18pt) WCAG AA × Fail

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 39.8130, 0.3337, 0.3705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

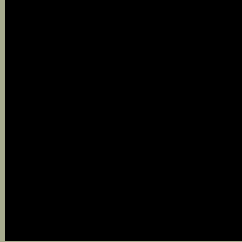
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

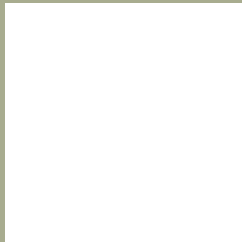
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.8130, 0.3337, 0.3705

Background



This preview shows how black text looks on a background with the Yxy color 39.8130, 0.3337, 0.3705.



This preview shows how white text looks on a background with the Yxy color 39.8130, 0.3337, 0.3705.

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

39.8130, 0.3337, 0.3705

Protanopia

39.7640, 0.3458, 0.3681

Deuteranopia

39.7081, 0.3597, 0.3530



Tritanopia

39.8170, 0.3072, 0.3113

Trichromacy



Original Color

39.8130, 0.3337, 0.3705

Protanomaly

39.7011, 0.3408, 0.3685

Deuteranomaly

39.6003, 0.3508, 0.3591

Tritanomaly

39.8239, 0.3162, 0.3318

Monochromacy



Original Color

39.8130, 0.3337, 0.3705

Achromatopsia

39.1572, 0.3127, 0.3290

Achromatomaly

39.2040, 0.3203, 0.3432

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.8130, 0.3337, 0.3705 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(168, 172, 143)` looks like.

```
.text, #text, p{  
    color:rgb(168, 172, 143)  
}
```

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(168, 172, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 172, 143) }
```

Border

The CSS property to change the border of an element to Yxy 39.8130, 0.3337, 0.3705 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(168, 172, 143) }
```

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

```
.border{ border-color:rgb(168, 172, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 172, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 172, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 172, 143);  
box-shadow:4px 4px 4px 4px rgb(168, 172,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 39.8130, 0.3337, 0.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 172, 143) }
```

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

```
.background{ background-color: rgb(168,  
172, 143) }
```

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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