

Converting Colors

$Y_{xy}(33.6020, 0.3500, 0.3773)$

Have a look what the booklet for
Yxy(33.6020, 0.3500, 0.3773)
contains.

Yxy(33.4871, 0.3499, 0.3772)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.4871, 0.3499, 0.3772)

Conversions

Conversions Part 1

Format	Color
Hex	A49D7D
RGB	164, 157, 125
RGB Percent	64%, 62%, 49%
CMY	0.3570, 0.3843, 0.5098
CMYK	0.00, 0.04, 0.24, 0.36
HSL	49°, 18%, 57%
HSV	49°, 24%, 64%
XYZ	31.0635, 33.4871, 24.2275
YIQ	155.4450, 14.4440, -8.4680

Conversions

Conversions Part 2

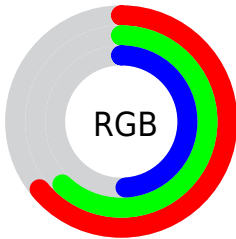
Format	Color
RYB	134, 164, 125
Decimal	10788221
CIELab	64.55, -2.80, 17.69
CIELCh	65, 17.912, 99.008
Yxy	33.4871, 0.3499, 0.3772
Android (android.graphics.Color)	4288978301 (0xFFA49D7D)
YUV	155.4450, -15.0094, 7.5027
Hunter-Lab	57.8680, -5.4506, 15.6848

Details

The Yxy color **33.4871, 0.3499, 0.3772** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.5288, 0.2742, 0.2757**, and the grayscale version is **33.0479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8630, 0.3423, 0.3668**, and **14.2746, 0.3618, 0.3931** is the 20% darker color. If you saturate the color by 10%, you get **32.1251, 0.3668, 0.3979**, and if you desaturate by 10%, it is **34.9450, 0.3336, 0.3565**.

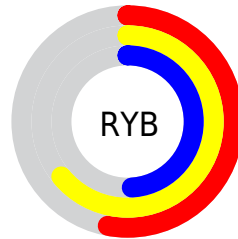
Distribution



Red (64%)

Green (62%)

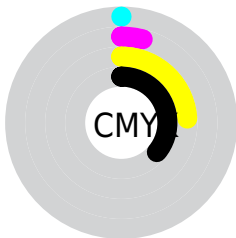
Blue (49%)



Red (53%)

Yellow (64%)

Blue (49%)

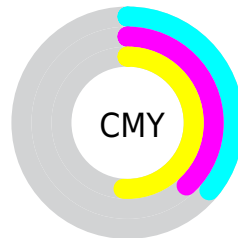


Cyan (0%)

Magenta (4%)

Yellow (24%)

Black (36%)



Cyan (36%)


Magenta (38%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.4871, 0.3499, 0.3772 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 33.4871, 0.3499, 0.3772 by changing the saturation by 10% instead.


 33.4871, 0.3499,
0.3772


 33.4871, 0.3499,
0.3772


317.8390, 0.3304,
0.3517


 22.4999, 0.3550,
0.3840


 65.1353, 0.3426,
0.3676

 14.2246, 0.3617,
0.3931


 86.5650, 0.3400,
0.3641

 8.2771, 0.3708,
0.4056


 112.2443, 0.3377,
0.3611

 4.2728, 0.3838,
0.4239

142.5576, 0.3358,
0.3587

 1.8273, 0.4098,
0.4599

177.8894, 0.3342,
0.3565

 0.5041, 0.4489,
0.5511

218.6239, 0.3328,

 0.0000, 0.0000,

0.3547

0.0000

265.1456, 0.3315,
0.3531

■ 33.4871, 0.3499,
0.3772

■ 33.4871, 0.3499,
0.3772

■ 32.1251, 0.3668,
0.3979

■ 34.9450, 0.3336,
0.3565

■ 30.8510, 0.3839,
0.4179

■ 36.4976, 0.3182,
0.3364

■ 29.6623, 0.4005,
0.4363

■ 38.1496, 0.3039,
0.3172

■ 28.5550, 0.4161,
0.4522

■ 39.9038, 0.2908,
0.2991

■ 27.5243, 0.4299,
0.4645

■ 41.7632, 0.2789,
0.2823

■ 26.5648, 0.4412,
0.4727

■ 43.7304, 0.2680,
0.2669

■ 25.6702, 0.4499,
0.4764

■ 45.8079, 0.2583,
0.2527

■ 25.1359, 0.4544,
0.4774

■ 47.9225, 0.2502,
0.2409

■ 49.1201, 0.2506,
0.2445

Harmonies

Analogous

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



33.4871, 0.3658, 0.3643



33.4871, 0.3499, 0.3772



33.4871, 0.3244, 0.3768

Triad

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



33.4871, 0.3499, 0.3772



33.4871, 0.2613, 0.3109



33.4871, 0.3276, 0.2993

Complementary

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



33.4871, 0.3499, 0.3772



23.5288, 0.2742, 0.2757

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.



33.4871, 0.2992, 0.2860



33.4871, 0.3499, 0.3772



33.4871, 0.2620, 0.2915

Square

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



33.4871, 0.3499, 0.3772



33.4871, 0.2737, 0.3369



33.4871, 0.2755, 0.2830



33.4871, 0.3528, 0.3197

Rectangle

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



33.4871, 0.3499, 0.3772



33.4871, 0.3056, 0.3682



33.4871, 0.2755, 0.2830



33.4871, 0.3180, 0.2939

Sweetspot

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



33.4886, 0.3499, 0.3772



65.3088, 0.3233, 0.3431



24.2259, 0.3519, 0.3180



14.2438, 0.3241, 0.3441



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.4886, 0.3499, 0.3772



59.3622, 0.3596, 0.3892



34.6599, 0.3353, 0.3893



8.0213, 0.3266, 0.3473



19.3436, 0.4540, 0.4777



0.4594, 0.4395, 0.4892

Inverse Universe

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



23.5288, 0.2742, 0.2757



37.8023, 0.2637, 0.2605



22.6931, 0.2861, 0.2660



7.0549, 0.2987, 0.3100



2.7912, 0.1552, 0.0787



0.1123, 0.1707, 0.1345

Previews

White Background



This preview shows how the Yxy color 33.4871, 0.3499, 0.3772 looks on a white background.

Color Contrast Check

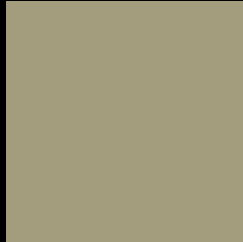
Large Text (above 18pt) WCAG AA × Fail

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 33.4871, 0.3499, 0.3772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

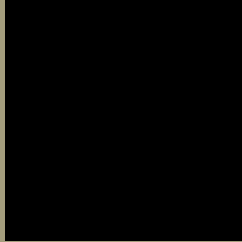
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

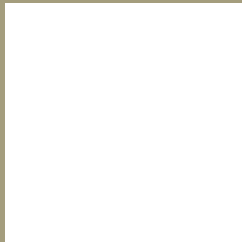
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.4871, 0.3499, 0.3772

Background



This preview shows how black text looks on a background with the Yxy color 33.4871, 0.3499, 0.3772.



This preview shows how white text looks on a background with the Yxy color 33.4871, 0.3499, 0.3772.

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

33.4871, 0.3499, 0.3772

Protanopia

33.3646, 0.3524, 0.3754

Deuteranopia

33.2641, 0.3708, 0.3632



Tritanopia

33.5718, 0.3185, 0.3118

Trichromacy



Original Color

33.4871, 0.3499, 0.3772

Protanomaly

33.2569, 0.3513, 0.3756

Deuteranomaly

33.4028, 0.3621, 0.3683

Tritanomaly

33.5287, 0.3296, 0.3349

Monochromacy



Original Color

33.4871, 0.3499, 0.3772

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

33.0597, 0.3258, 0.3472

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4871, 0.3499, 0.3772 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(164, 157, 125)` looks like.

```
.text, #text, p{  
    color:rgb(164, 157, 125)  
}
```

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(164, 157, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 157, 125) }
```

Border

The CSS property to change the border of an element to Yxy 33.4871, 0.3499, 0.3772 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(164, 157, 125) }
```

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

```
.border{ border-color:rgb(164, 157, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 157, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 157, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 157, 125);  
box-shadow:4px 4px 4px 4px rgb(164, 157,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4871, 0.3499, 0.3772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 157, 125) }
```

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

```
.background{ background-color: rgb(164,  
157, 125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor