

Converting Colors

$Yxy(31.3473, 0.3496, 0.3851)$

Have a look what the booklet for
Yxy(31.3473, 0.3496, 0.3851)
contains.

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Color

Yxy(31.4871, 0.3491, 0.3852)

Conversions

Conversions Part 1

Format	Color
Hex	9C9A76
RGB	156, 154, 118
RGB Percent	61%, 60%, 46%
CMY	0.3882, 0.3961, 0.5372
CMYK	0.00, 0.01, 0.24, 0.39
HSL	57°, 16%, 54%
HSV	57°, 24%, 61%
XYZ	28.5362, 31.4871, 21.7189
YIQ	150.4940, 12.7480, -10.7720

Conversions

Conversions Part 2

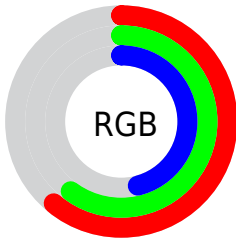
Format	Color
RYB	120, 156, 118
Decimal	10263158
CIELab	62.92, -5.36, 19.21
CIELCh	63, 19.939, 105.580
Yxy	31.4871, 0.3491, 0.3852
Android (android.graphics.Color)	4288453238 (0xFF9C9A76)
YUV	150.4940, -16.0195, 4.8288
Hunter-Lab	56.1134, -7.4230, 16.3309

Details

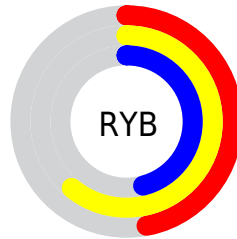
The Yxy color **31.4871, 0.3491, 0.3852** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.6890, 0.2726, 0.2658**, and the grayscale version is **30.7866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8629, 0.3424, 0.3737**, and **13.0732, 0.3608, 0.4054** is the 20% darker color. If you saturate the color by 10%, you get **30.8784, 0.3643, 0.4084**, and if you desaturate by 10%, it is **32.1618, 0.3338, 0.3618**.

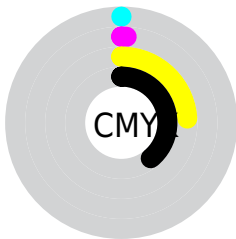
Distribution



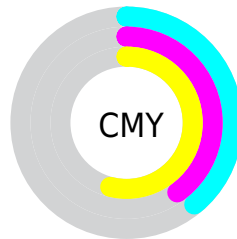
- Red (61%)
- Green (60%)
- Blue (46%)



- Red (47%)
- Yellow (61%)
- Blue (46%)



- Cyan (0%)
- Magenta (1%)
- Yellow (24%)
- Black (39%)



- Cyan (39%)
- Magenta (40%)
- Yellow (54%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4871, 0.3491, 0.3852 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 31.4871, 0.3491, 0.3852 by changing the saturation by 10% instead.


 31.4871, 0.3491,
0.3852

 31.4871, 0.3491,
0.3852


 308.7761, 0.3300,
0.3550

 20.9700, 0.3541,
0.3935


 62.0062, 0.3420,
0.3737

 13.1021, 0.3606,
0.4045


 82.7769, 0.3394,
0.3695

 7.4989, 0.3695,
0.4199


 107.7344, 0.3372,
0.3661

 3.7760, 0.3819,
0.4428

 137.2630, 0.3353,
0.3632

 1.5491, 0.4226,
0.5072

 171.7471, 0.3337,
0.3607

 0.3229, 0.3530,
0.6470

 211.5710, 0.3323,

 0.0000, 0.0000,

0.3585

0.0000

257.1192, 0.3311,
0.3566

■ 31.4871, 0.3491,
0.3852

■ 31.4871, 0.3491,
0.3852

■ 30.8784, 0.3643,
0.4084

■ 32.1618, 0.3338,
0.3618

■ 30.3285, 0.3791,
0.4304

■ 32.9010, 0.3190,
0.3388

■ 29.8355, 0.3927,
0.4505


■ 33.7089, 0.3048,
0.3166

■ 29.3958, 0.4047,
0.4676


■ 34.5879, 0.2915,
0.2957

■ 29.0054, 0.4145,
0.4812


■ 35.5404, 0.2792,
0.2762

 28.6597, 0.4218,
0.4906


 36.5686, 0.2679,
0.2583

 28.3530, 0.4265,
0.4958

 37.6747, 0.2576,
0.2418

 28.1884, 0.4286,
0.4979

 38.8608, 0.2483,
0.2269

 39.9067, 0.2416,
0.2164

Harmonies

Analogous

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



31.4871, 0.3703, 0.3730



31.4871, 0.3491, 0.3852



31.4871, 0.3187, 0.3812

Triad

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



31.4871, 0.3491, 0.3852



31.4871, 0.2535, 0.3025



31.4871, 0.3364, 0.2999

Complementary

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



31.4871, 0.3491, 0.3852



19.6890, 0.2726, 0.2658

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.



31.4871, 0.3041, 0.2829



31.4871, 0.3491, 0.3852



31.4871, 0.2576, 0.2832

Square

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



31.4871, 0.3491, 0.3852



31.4871, 0.2643, 0.3310



31.4871, 0.2756, 0.2767



31.4871, 0.3632, 0.3240

Rectangle

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



31.4871, 0.3491, 0.3852



31.4871, 0.2976, 0.3691



31.4871, 0.2756, 0.2767



31.4871, 0.3258, 0.2933

Sweetspot

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



31.4885, 0.3491, 0.3852



59.3733, 0.3231, 0.3451



21.3986, 0.3586, 0.3250



13.0489, 0.3238, 0.3463



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



31.4885, 0.3491, 0.3852



56.6017, 0.3571, 0.3974



30.6197, 0.3311, 0.3915



7.6607, 0.3262, 0.3500



23.2358, 0.4286, 0.4979



0.4317, 0.4245, 0.5011

Inverse Universe

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



19.6890, 0.2726, 0.2658



31.5270, 0.2627, 0.2500



20.4693, 0.2905, 0.2656



6.4883, 0.2987, 0.3071



2.1398, 0.1512, 0.0644



0.0528, 0.1571, 0.0854

Previews

White Background



This preview shows how the Yxy color 31.4871, 0.3491, 0.3852 looks on a white background.

Color Contrast Check

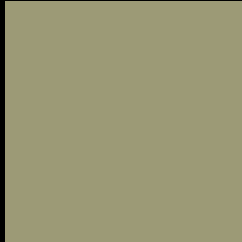
Large Text (above 18pt) WCAG AA × Fail

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 31.4871, 0.3491, 0.3852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

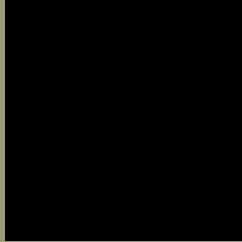
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4871, 0.3491, 0.3852

Background



This preview shows how black text looks on a background with the Yxy color 31.4871, 0.3491, 0.3852.



This preview shows how white text looks on a background with the Yxy color 31.4871, 0.3491, 0.3852.

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

31.4871, 0.3491, 0.3852

Protanopia

31.4222, 0.3573, 0.3827

Deuteranopia

31.3788, 0.3744, 0.3668



Tritanopia

31.2949, 0.3146, 0.3112

Trichromacy



Original Color

31.4871, 0.3491, 0.3852

Protanomaly

31.5404, 0.3548, 0.3845

Deuteranomaly

31.3728, 0.3653, 0.3738

Tritanomaly

31.2280, 0.3268, 0.3366

Monochromacy



Original Color

31.4871, 0.3491, 0.3852

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

30.6436, 0.3262, 0.3494

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4871, 0.3491, 0.3852 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(156, 154, 118)` looks like.

```
.text, #text, p{  
    color:rgb(156, 154, 118)  
}
```

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(156, 154, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 154, 118) }
```

Border

The CSS property to change the border of an element to Yxy 31.4871, 0.3491, 0.3852 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(156, 154, 118) }
```

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

```
.border{ border-color:rgb(156, 154, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 154, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 154, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 154, 118);  
box-shadow:4px 4px 4px 4px rgb(156, 154,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4871, 0.3491, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 154, 118) }
```

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

```
.background{ background-color: rgb(156,  
154, 118) }
```

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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