

Converting Colors

$Yxy(31.4932, 0.3837, 0.3873)$

Have a look what the booklet for
Yxy(31.4932, 0.3837, 0.3873)
contains.

Yxy(31.4926, 0.3837, 0.3873)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(31.4926, 0.3837, 0.3873)

Conversions

Conversions Part 1

Format	Color
Hex	B0946C
RGB	176, 148, 108
RGB Percent	69%, 58%, 42%
CMY	0.3098, 0.4196, 0.5765
CMYK	0.00, 0.16, 0.39, 0.31
HSL	35°, 30%, 56%
HSV	35°, 39%, 69%
XYZ	31.1999, 31.4926, 18.6207
YIQ	151.8120, 29.5280, -6.5040

Conversions

Conversions Part 2

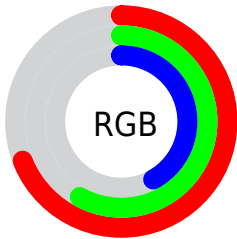
Format	Color
R _Y B	156, 176, 108
Decimal	11572332
CIE Lab	62.92, 4.73, 25.06
CIE LCh	63, 25.501, 79.302
Yxy	31.4926, 0.3837, 0.3873
Android (android.graphics.Color)	4289762412 (0xFFB0946C)
YUV	151.8120, -21.5993, 21.2129
Hunter-Lab	56.1183, 1.0330, 19.6096

Details

The Yxy color **31.4926, 0.3837, 0.3873** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **23.9262, 0.2501, 0.2623**, and the grayscale version is **31.3998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1028, 0.3697, 0.3759**, and **13.0132, 0.4070, 0.4038** is the 20% darker color. If you saturate the color by 10%, you get **28.9544, 0.4062, 0.4020**, and if you desaturate by 10%, it is **34.2516, 0.3627, 0.3719**.

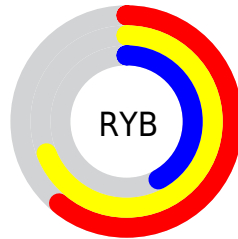
Distribution



Red (69%)

Green (58%)

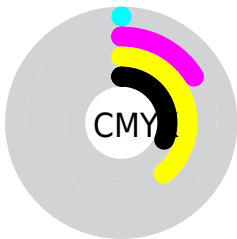
Blue (42%)



Red (61%)

Yellow (69%)

Blue (42%)

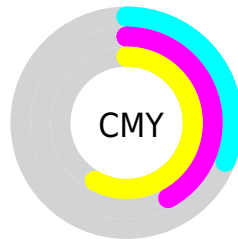


Cyan (0%)

Magenta (16%)

Yellow (39%)

Black (31%)



Cyan (31%)


Magenta (42%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.4926, 0.3837, 0.3873 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 31.4926, 0.3837, 0.3873 by changing the saturation by 10% instead.


 31.4926, 0.3837,
0.3873

 31.4926, 0.3837,
0.3873


308.8013, 0.3461,
0.3571


 20.9742, 0.3937,
0.3950

 62.0148, 0.3696,
0.3762

 13.1052, 0.4067,
0.4048


 82.7874, 0.3644,
0.3720

 7.5010, 0.4243,
0.4177


 107.7469, 0.3601,
0.3685

 3.7774, 0.4490,
0.4346

 137.2777, 0.3564,
0.3656

 1.5498, 0.5152,
0.4848

171.7641, 0.3533,
0.3630

 0.3234, 0.5667,
0.4333

211.5906, 0.3505,

 0.0000, 0.0000,

0.3608

0.0000

257.1415, 0.3482,
0.3588

■ 31.4926, 0.3837,
0.3873

■ 31.4926, 0.3837,
0.3873

■ 28.9544, 0.4062,
0.4020

■ 34.2516, 0.3627,
0.3719

■ 26.6255, 0.4297,
0.4151

■ 37.2337, 0.3435,
0.3564

■ 24.4995, 0.4531,
0.4254

■ 40.4467, 0.3261,
0.3414

■ 22.5681, 0.4754,
0.4318

■ 43.8967, 0.3107,
0.3271

■ 20.8217, 0.4953,
0.4333

■ 47.5893, 0.2970,
0.3138

■ 19.2454, 0.5123,
0.4301

■ 51.5302, 0.2850,
0.3014

■ 19.0409, 0.5146,
0.4296

■ 55.7246, 0.2743,
0.2900

■ 60.1776, 0.2649,
0.2795

■ 64.1385, 0.2625,
0.2816

Harmonies

Analogous

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



31.4926, 0.3939, 0.3592



31.4926, 0.3837, 0.3873



31.4926, 0.3542, 0.4018

Triad

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



31.4926, 0.3837, 0.3873



31.4926, 0.2487, 0.3261



31.4926, 0.3065, 0.2732

Complementary

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



31.4926, 0.3837, 0.3873



23.9262, 0.2501, 0.2623

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.



31.4926, 0.2693, 0.2633



31.4926, 0.3837, 0.3873



31.4926, 0.2377, 0.2907

Square

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



31.4926, 0.3837, 0.3873



31.4926, 0.2763, 0.3657



31.4926, 0.2450, 0.2689



31.4926, 0.3477, 0.2956

Rectangle

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



31.4926, 0.3837, 0.3873



31.4926, 0.3283, 0.3997



31.4926, 0.2450, 0.2689



31.4926, 0.2931, 0.2683

Sweetspot

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



31.4941, 0.3837, 0.3873



71.2311, 0.3321, 0.3467



21.7410, 0.3667, 0.2875



15.2770, 0.3343, 0.3485



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



31.4941, 0.3837, 0.3873



53.3322, 0.4020, 0.3994



40.7132, 0.3641, 0.4250



9.3084, 0.3273, 0.3424



14.0892, 0.5133, 0.4306



0.5549, 0.4807, 0.4565

Inverse Universe

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



23.9262, 0.2501, 0.2623



37.7423, 0.2364, 0.2451



17.4140, 0.2484, 0.2153



8.7855, 0.2985, 0.3152



5.8519, 0.1701, 0.1323



0.3003, 0.1859, 0.1894

Previews

White Background



This preview shows how the Yxy color 31.4926, 0.3837, 0.3873 looks on a white background.

Color Contrast Check

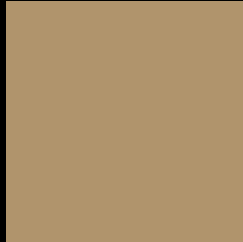
Large Text (above 18pt) WCAG AA × Fail

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 31.4926, 0.3837, 0.3873 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

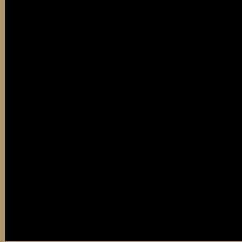
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.4926, 0.3837, 0.3873

Background



This preview shows how black text looks on a background with the Yxy color 31.4926, 0.3837, 0.3873.



This preview shows how white text looks on a background with the Yxy color 31.4926, 0.3837, 0.3873.

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

31.4926, 0.3837, 0.3873

Protanopia

31.4748, 0.3664, 0.3929

Deuteranopia

31.4642, 0.3904, 0.3833



Tritanopia

31.4697, 0.3436, 0.3136

Trichromacy



Original Color

31.4926, 0.3837, 0.3873

Protanomaly

31.5622, 0.3723, 0.3920

Deuteranomaly

31.5339, 0.3876, 0.3852

Tritanomaly

31.3364, 0.3580, 0.3392

Monochromacy



Original Color

31.4926, 0.3837, 0.3873

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.4879, 0.3376, 0.3519

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.4926, 0.3837, 0.3873 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(176, 148, 108)` looks like.

```
.text, #text, p{  
    color:rgb(176, 148, 108)  
}
```

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(176, 148, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 148, 108) }
```

Border

The CSS property to change the border of an element to Yxy 31.4926, 0.3837, 0.3873 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(176, 148, 108) }
```

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

```
.border{ border-color:rgb(176, 148, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 148, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 148, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 148, 108);  
box-shadow:4px 4px 4px 4px rgb(176, 148,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 31.4926, 0.3837, 0.3873 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 148, 108) }
```

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

```
.background{ background-color: rgb(176,  
148, 108) }
```

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