

Converting Colors

$Yxy(31.5576, 0.3806, 0.3830)$

Have a look what the booklet for
Yxy(31.5576, 0.3806, 0.3830)
contains.

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Color

Yxy(31.5576, 0.3806, 0.3830)

Conversions

Conversions Part 1

Format	Color
Hex	B0946F
RGB	176, 148, 111
RGB Percent	69%, 58%, 44%
CMY	0.3099, 0.4196, 0.5647
CMYK	0.00, 0.16, 0.37, 0.31
HSL	34°, 29%, 56%
HSV	34°, 37%, 69%
XYZ	31.3599, 31.5576, 19.4784
YIQ	152.1540, 28.5650, -5.5710

Conversions

Conversions Part 2

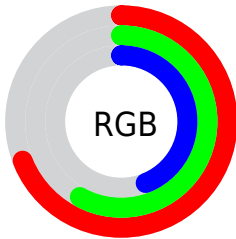
Format	Color
RYB	160, 176, 111
Decimal	11572335
CIELab	62.98, 5.09, 23.47
CIELCh	63, 24.018, 77.768
Yxy	31.5576, 0.3806, 0.3830
Android (android.graphics.Color)	4289762415 (0xFFB0946F)
YUV	152.1540, -20.2889, 20.9129
Hunter-Lab	56.1762, 1.3378, 18.7652

Details

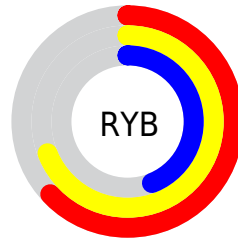
The Yxy color **31.5576, 0.3806, 0.3830** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.9696, 0.2533, 0.2678**, and the grayscale version is **31.5494, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2090, 0.3673, 0.3726**, and **13.0458, 0.4028, 0.3981** is the 20% darker color. If you saturate the color by 10%, you get **28.9097, 0.4033, 0.3975**, and if you desaturate by 10%, it is **34.4404, 0.3596, 0.3680**.

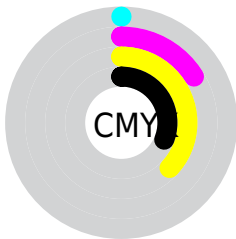
Distribution



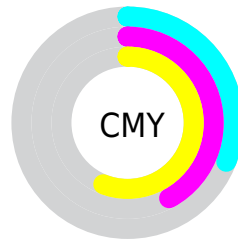
- Red (69%)
- Green (58%)
- Blue (44%)



- Red (63%)
- Yellow (69%)
- Blue (44%)



- Cyan (0%)
- Magenta (16%)
- Yellow (37%)
- Black (31%)





- Cyan (31%)
- Magenta (42%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5576, 0.3806, 0.3830 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 31.5576, 0.3806, 0.3830 by changing the saturation by 10% instead.


 31.5576, 0.3806,
0.3830


 31.5576, 0.3806,
0.3830


309.0990, 0.3445,
0.3550


 21.0238, 0.3902,
0.3902


 62.1169, 0.3670,
0.3727


 13.1414, 0.4028,
0.3993


 82.9112, 0.3621,
0.3688

 7.5260, 0.4200,
0.4114


 107.8945, 0.3579,
0.3656

 3.7932, 0.4443,
0.4274

 137.4511, 0.3544,
0.3629

 1.5586, 0.5172,
0.4828

171.9655, 0.3514,
0.3605

 0.3294, 0.5704,
0.4296

211.8220, 0.3488,

 0.0000, 0.0000,

0.3584

0.0000

257.4050, 0.3466,
0.3566

■ 31.5576, 0.3806,
0.3830

■ 31.5576, 0.3806,
0.3830

■ 28.9097, 0.4033,
0.3975

■ 34.4404, 0.3596,
0.3680

■ 26.4847, 0.4273,
0.4105

■ 37.5605, 0.3405,
0.3530

■ 24.2761, 0.4516,
0.4210

■ 40.9262, 0.3234,
0.3386

■ 22.2751, 0.4751,
0.4278

■ 44.5437, 0.3082,
0.3249

■ 20.4721, 0.4964,
0.4298

■ 48.4190, 0.2949,
0.3121

■ 18.8543, 0.5145,
0.4267

■ 52.5581, 0.2831,
0.3003

■ 18.3872, 0.5200,
0.4253

■ 56.9664, 0.2727,
0.2895

■ 61.6493, 0.2636,
0.2795

■ 65.6507, 0.2629,
0.2851

Harmonies

Analogous

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



31.5576, 0.3890, 0.3562



31.5576, 0.3806, 0.3830



31.5576, 0.3537, 0.3972

Triad

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



31.5576, 0.3806, 0.3830



31.5576, 0.2533, 0.3283



31.5576, 0.3050, 0.2754

Complementary

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



31.5576, 0.3806, 0.3830



24.9696, 0.2533, 0.2678

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.



31.5576, 0.2703, 0.2668



31.5576, 0.3806, 0.3830



31.5576, 0.2420, 0.2945

Square

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



31.5576, 0.3806, 0.3830



31.5576, 0.2801, 0.3652



31.5576, 0.2480, 0.2730



31.5576, 0.3438, 0.2962

Rectangle

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



31.5576, 0.3806, 0.3830



31.5576, 0.3295, 0.3958



31.5576, 0.2480, 0.2730



31.5576, 0.2924, 0.2710

Sweetspot

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



31.5591, 0.3806, 0.3830



71.5849, 0.3305, 0.3446



22.4661, 0.3620, 0.2878



15.3395, 0.3327, 0.3465



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.



31.5591, 0.3806, 0.3830



53.4467, 0.3983, 0.3945



40.9198, 0.3630, 0.4205



9.2818, 0.3273, 0.3420



13.6129, 0.5186, 0.4264



0.5415, 0.4841, 0.4538

Inverse Universe

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



24.9696, 0.2533, 0.2678



39.8127, 0.2402, 0.2521



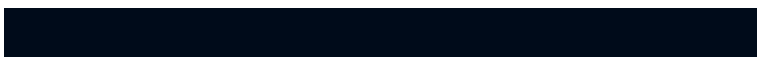
18.1713, 0.2508, 0.2208



8.8116, 0.2985, 0.3157



6.1789, 0.1717, 0.1379



0.3111, 0.1872, 0.1940

Previews

White Background



This preview shows how the Yxy color 31.5576, 0.3806, 0.3830 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 31.5576, 0.3806, 0.3830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

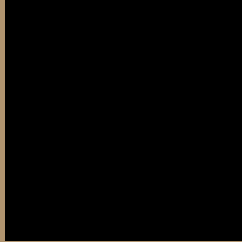
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5576, 0.3806, 0.3830

Background



This preview shows how black text looks on a background with the Yxy color 31.5576, 0.3806, 0.3830.



This preview shows how white text looks on a background with the Yxy color 31.5576, 0.3806, 0.3830.

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

31.5576, 0.3806, 0.3830

Protanopia

31.5412, 0.3635, 0.3884

Deuteranopia

31.5292, 0.3873, 0.3791



Tritanopia

31.3492, 0.3425, 0.3136

Trichromacy



Original Color

31.5576, 0.3806, 0.3830

Protanomaly

31.6279, 0.3693, 0.3875

Deuteranomaly

31.5988, 0.3845, 0.3809

Tritanomaly

31.3652, 0.3570, 0.3377

Monochromacy



Original Color

31.5576, 0.3806, 0.3830

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.5164, 0.3366, 0.3504

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5576, 0.3806, 0.3830 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(176, 148, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 148, 111) }
```

Border

The CSS property to change the border of an element to Yxy 31.5576, 0.3806, 0.3830 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, 111) }
```

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

```
.border{ border-color:rgb(176, 148, 111) }
```

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, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 148, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 148, 111);  
box-shadow:4px 4px 4px 4px rgb(176, 148,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5576, 0.3806, 0.3830 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, 111) }
```

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

```
.background{ background-color: rgb(176,  
148, 111) }
```

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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