

Converting Colors

$Yxy(31.6790, 0.3739, 0.3901)$

Have a look what the booklet for
Yxy(31.6790, 0.3739, 0.3901)
contains.

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Color

Yxy(31.8051, 0.3735, 0.3900)

Conversions

Conversions Part 1

Format	Color
Hex	AA976E
RGB	170, 151, 110
RGB Percent	67%, 59%, 43%
CMY	0.3333, 0.4078, 0.5686
CMYK	0.00, 0.11, 0.35, 0.33
HSL	41°, 26%, 55%
HSV	41°, 35%, 67%
XYZ	30.4595, 31.8051, 19.2869
YIQ	152.0070, 24.4850, -8.7230

Conversions

Conversions Part 2

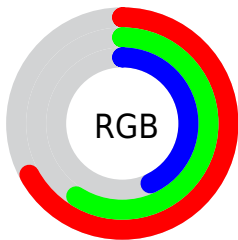
Format	Color
RYB	138, 170, 110
Decimal	11179886
CIELab	63.18, 0.86, 24.20
CIElCh	63, 24.213, 87.959
Yxy	31.8051, 0.3735, 0.3900
Android (android.graphics.Color)	4289369966 (0xFFAA976E)
YUV	152.0070, -20.7095, 15.7799
Hunter-Lab	56.3960, -2.2851, 19.2005

Details

The Yxy color **31.8051, 0.3735, 0.3900** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **21.9203, 0.2546, 0.2591**, and the grayscale version is **31.4868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4400, 0.3614, 0.3779**, and **13.2441, 0.3933, 0.4082** is the 20% darker color. If you saturate the color by 10%, you get **29.7774, 0.3934, 0.4071**, and if you desaturate by 10%, it is **33.9860, 0.3545, 0.3723**.

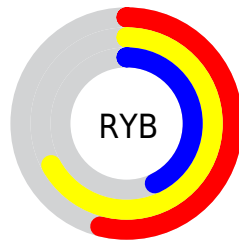
Distribution



Red (67%)

Green (59%)

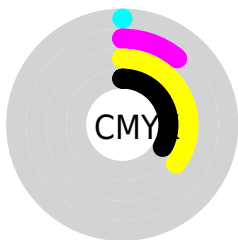
Blue (43%)



Red (54%)

Yellow (67%)

Blue (43%)

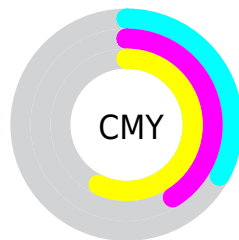


Cyan (0%)

Magenta (11%)

Yellow (35%)

Black (33%)



Cyan (33%)


Magenta (41%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8051, 0.3735, 0.3900 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 31.8051, 0.3735, 0.3900 by changing the saturation by 10% instead.


 31.8051, 0.3735,
0.3900


 31.8051, 0.3735,
0.3900


310.2305, 0.3414,
0.3580

 21.2127, 0.3819,
0.3984


 62.5054, 0.3615,
0.3780


 13.2795, 0.3929,
0.4092


 83.3821, 0.3571,
0.3736

 7.6213, 0.4078,
0.4238


 108.4557, 0.3534,
0.3700

 3.8536, 0.4284,
0.4439

 138.1105, 0.3503,
0.3668

 1.5920, 0.4924,
0.5076

172.7310, 0.3476,
0.3642

 0.3522, 0.5025,
0.4975

212.7016, 0.3453,

 0.0000, 0.0000,

0.3618

0.0000

258.4066, 0.3432,
0.3598

■ 31.8051, 0.3735,
0.3900

■ 31.8051, 0.3735,
0.3900

■ 29.7774, 0.3934,
0.4071

■ 33.9860, 0.3545,
0.3723

■ 27.8933, 0.4137,
0.4228

■ 36.3203, 0.3369,
0.3547

■ 26.1487, 0.4337,
0.4360

■ 38.8142, 0.3207,
0.3377

■ 24.5375, 0.4524,
0.4456

■ 41.4717, 0.3060,
0.3215

■ 23.0528, 0.4688,
0.4509

■ 44.2970, 0.2928,
0.3064

■ 21.6862, 0.4823,
0.4512

■ 47.2940, 0.2810,
0.2923

■ 21.0751, 0.4883,
0.4505

■ 50.4664, 0.2705,
0.2794

■ 53.8177, 0.2611,
0.2675

■ 56.8247, 0.2570,
0.2647

Harmonies

Analogous

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



31.8051, 0.3890, 0.3663



31.8051, 0.3735, 0.3900



31.8051, 0.3419, 0.3981

Triad

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



31.8051, 0.3735, 0.3900



31.8051, 0.2472, 0.3158



31.8051, 0.3182, 0.2810

Complementary

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



31.8051, 0.3735, 0.3900



21.9203, 0.2546, 0.2591

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.



31.8051, 0.2808, 0.2679



31.8051, 0.3735, 0.3900



31.8051, 0.2417, 0.2853

Square

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



31.8051, 0.3735, 0.3900



31.8051, 0.2693, 0.3533



31.8051, 0.2536, 0.2688



31.8051, 0.3562, 0.3052

Rectangle

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



31.8051, 0.3735, 0.3900



31.8051, 0.3165, 0.3917



31.8051, 0.2536, 0.2688



31.8051, 0.3052, 0.2752

Sweetspot

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



31.8066, 0.3735, 0.3900



67.7123, 0.3301, 0.3477



21.3116, 0.3670, 0.2987



14.9693, 0.3322, 0.3499



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.



31.8066, 0.3735, 0.3900



54.9315, 0.3883, 0.4029



37.3508, 0.3547, 0.4181



8.3671, 0.3269, 0.3444



15.6057, 0.4873, 0.4512



0.4654, 0.4602, 0.4728

Inverse Universe

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



21.9203, 0.2546, 0.2591



34.4233, 0.2413, 0.2413



18.0492, 0.2603, 0.2283



7.6739, 0.2986, 0.3131



4.1552, 0.1630, 0.1067



0.1922, 0.1819, 0.1748

Previews

White Background



This preview shows how the Yxy color 31.8051, 0.3735, 0.3900 looks on a white background.

Color Contrast Check

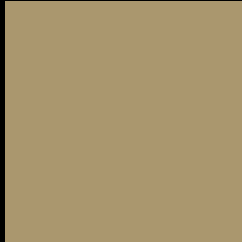
Large Text (above 18pt) WCAG AA × Fail

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 31.8051, 0.3735, 0.3900 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

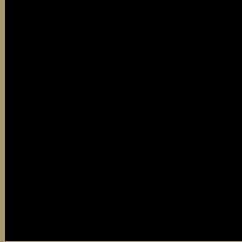
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8051, 0.3735, 0.3900

Background



This preview shows how black text looks on a background with the Yxy color 31.8051, 0.3735, 0.3900.



This preview shows how white text looks on a background with the Yxy color 31.8051, 0.3735, 0.3900.

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

31.8051, 0.3735, 0.3900

Protanopia

31.9295, 0.3661, 0.3925

Deuteranopia

31.8389, 0.3867, 0.3805



Tritanopia

31.7651, 0.3335, 0.3134

Trichromacy



Original Color

31.8051, 0.3735, 0.3900

Protanomaly

31.8197, 0.3687, 0.3907

Deuteranomaly

31.6746, 0.3817, 0.3828

Tritanomaly

31.6158, 0.3485, 0.3408

Monochromacy



Original Color

31.8051, 0.3735, 0.3900

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.6335, 0.3343, 0.3520

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8051, 0.3735, 0.3900 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(170, 151, 110)` looks like.

```
.text, #text, p{  
    color:rgb(170, 151, 110)  
}
```

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(170, 151, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 151, 110) }
```

Border

The CSS property to change the border of an element to Yxy 31.8051, 0.3735, 0.3900 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(170, 151, 110) }
```

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

```
.border{ border-color:rgb(170, 151, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 151, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 151, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 151, 110);  
box-shadow:4px 4px 4px 4px rgb(170, 151,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8051, 0.3735, 0.3900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 151, 110) }
```

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

```
.background{ background-color: rgb(170,  
151, 110) }
```

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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