

Converting Colors

$Yxy(31.8301, 0.3685, 0.3798)$

Have a look what the booklet for
Yxy(31.8301, 0.3685, 0.3798)
contains.

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Color

Yxy(31.7316, 0.3690, 0.3795)

Conversions

Conversions Part 1

Format	Color
Hex	AB9674
RGB	171, 150, 116
RGB Percent	67%, 59%, 45%
CMY	0.3294, 0.4117, 0.5450
CMYK	0.00, 0.12, 0.32, 0.33
HSL	37°, 25%, 56%
HSV	37°, 32%, 67%
XYZ	30.8537, 31.7316, 21.0290
YIQ	152.4030, 23.4300, -6.1220

Conversions

Conversions Part 2

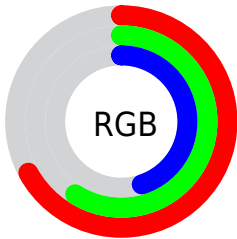
Format	Color
RYB	150, 171, 116
Decimal	11245172
CIELab	63.12, 2.59, 20.81
CIELCh	63, 20.969, 82.891
Yxy	31.7316, 0.3690, 0.3795
Android (android.graphics.Color)	4289435252 (0xFFAB9674)
YUV	152.4030, -17.9467, 16.3096
Hunter-Lab	56.3308, -0.8105, 17.2979

Details

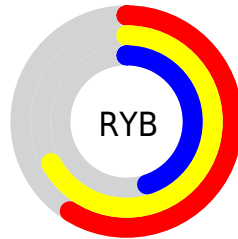
The Yxy color **31.7316, 0.3690, 0.3795** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.5507, 0.2609, 0.2725**, and the grayscale version is **31.6555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3438, 0.3579, 0.3698**, and **13.1926, 0.3874, 0.3938** is the 20% darker color. If you saturate the color by 10%, you get **29.3446, 0.3899, 0.3955**, and if you desaturate by 10%, it is **34.3109, 0.3496, 0.3633**.

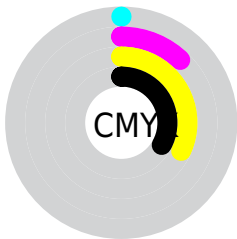
Distribution



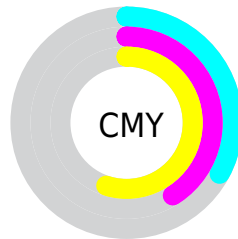
- Red (67%)
- Green (59%)
- Blue (45%)



- Red (59%)
- Yellow (67%)
- Blue (45%)



- Cyan (0%)
- Magenta (12%)
- Yellow (32%)
- Black (33%)





- Cyan (33%)
- Magenta (41%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7316, 0.3690, 0.3795 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 31.7316, 0.3690, 0.3795 by changing the saturation by 10% instead.


 31.7316, 0.3690,
0.3795


 31.7316, 0.3690,
0.3795


309.8948, 0.3391,
0.3530

 21.1566, 0.3770,
0.3864


 62.3901, 0.3578,
0.3696

 13.2385, 0.3875,
0.3955


 83.2423, 0.3536,
0.3660

 7.5930, 0.4019,
0.4076

 108.2891, 0.3502,
0.3629

 3.8356, 0.4225,
0.4246

137.9148, 0.3473,
0.3604

 1.5820, 0.4834,
0.4783

172.5038, 0.3448,
0.3581

 0.3455, 0.5314,
0.4686

212.4406, 0.3427,

 0.0000, 0.0000,

0.3562

0.0000

258.1094, 0.3408,
0.3545

■ 31.7316, 0.3690,
0.3795

■ 31.7316, 0.3690,
0.3795

■ 29.3446, 0.3899,
0.3955

■ 34.3109, 0.3496,
0.3633

■ 27.1397, 0.4120,
0.4104

■ 37.0836, 0.3319,
0.3474

■ 25.1120, 0.4344,
0.4232

■ 40.0566, 0.3159,
0.3322

■ 23.2545, 0.4563,
0.4329

■ 43.2348, 0.3017,
0.3178

■ 21.5597, 0.4765,
0.4383

■ 46.6229, 0.2890,
0.3045

■ 20.0187, 0.4939,
0.4388

■ 50.2256, 0.2778,
0.2921

■ 18.9036, 0.5060,
0.4364

■ 54.0473, 0.2679,
0.2808

■ 58.0923, 0.2592,
0.2704

■ 61.3660, 0.2590,
0.2760

Harmonies

Analogous

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



31.7316, 0.3792, 0.3577



31.7316, 0.3690, 0.3795



31.7316, 0.3436, 0.3887

Triad

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



31.7316, 0.3690, 0.3795



31.7316, 0.2579, 0.3232



31.7316, 0.3119, 0.2843

Complementary

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



31.7316, 0.3690, 0.3795



24.5507, 0.2609, 0.2725

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.



31.7316, 0.2803, 0.2747



31.7316, 0.3690, 0.3795



31.7316, 0.2504, 0.2951

Square

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



31.7316, 0.3690, 0.3795



31.7316, 0.2796, 0.3553



31.7316, 0.2583, 0.2781



31.7316, 0.3453, 0.3042

Rectangle

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



31.7316, 0.3690, 0.3795



31.7316, 0.3219, 0.3851



31.7316, 0.2583, 0.2781



31.7316, 0.3007, 0.2798

Sweetspot

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



31.7331, 0.3690, 0.3795



67.4395, 0.3286, 0.3443



22.9630, 0.3570, 0.2974



14.8813, 0.3308, 0.3464



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.



31.7331, 0.3690, 0.3795



53.5784, 0.3847, 0.3916



38.3401, 0.3539, 0.4093



8.8086, 0.3272, 0.3430



14.3554, 0.5049, 0.4373



0.5007, 0.4729, 0.4627

Inverse Universe

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



24.5507, 0.2609, 0.2725



38.5852, 0.2480, 0.2566



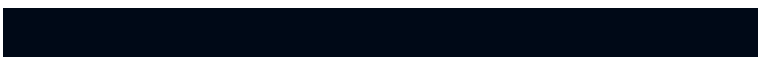
19.6064, 0.2630, 0.2378



8.2398, 0.2986, 0.3146



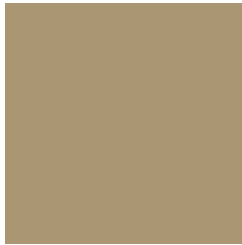
5.1875, 0.1677, 0.1238



0.2519, 0.1854, 0.1873

Previews

White Background



This preview shows how the Yxy color 31.7316, 0.3690, 0.3795 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 31.7316, 0.3690, 0.3795 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

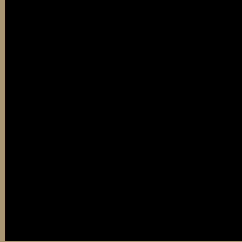
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.7316, 0.3690, 0.3795

Background



This preview shows how black text looks on a background with the Yxy color 31.7316, 0.3690, 0.3795.



This preview shows how white text looks on a background with the Yxy color 31.7316, 0.3690, 0.3795.

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

31.7316, 0.3690, 0.3795

Protanopia

31.8534, 0.3580, 0.3839

Deuteranopia

31.8551, 0.3793, 0.3722



Tritanopia

31.7651, 0.3335, 0.3134

Trichromacy



Original Color

31.7316, 0.3690, 0.3795

Protanomaly

31.8478, 0.3617, 0.3819

Deuteranomaly

31.8113, 0.3755, 0.3741

Tritanomaly

31.7892, 0.3475, 0.3378

Monochromacy



Original Color

31.7316, 0.3690, 0.3795

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

31.3682, 0.3325, 0.3474

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7316, 0.3690, 0.3795 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(171, 150, 116)` looks like.

```
.text, #text, p{  
    color:rgb(171, 150, 116)  
}
```

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(171, 150, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 150, 116) }
```

Border

The CSS property to change the border of an element to Yxy 31.7316, 0.3690, 0.3795 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(171, 150, 116) }
```

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

```
.border{ border-color:rgb(171, 150, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 150, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 150, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 150, 116);  
box-shadow:4px 4px 4px 4px rgb(171, 150,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7316, 0.3690, 0.3795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 150, 116) }
```

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

```
.background{ background-color: rgb(171,  
150, 116) }
```

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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