

Converting Colors

$Yxy(33.7098, 0.3707, 0.4062)$

Have a look what the booklet for
Yxy(33.7098, 0.3707, 0.4062)
contains.

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Color

Yxy(33.7098, 0.3707, 0.4062)

Conversions

Conversions Part 1

Format	Color
Hex	A79E6A
RGB	167, 158, 106
RGB Percent	65%, 62%, 42%
CMY	0.3451, 0.3804, 0.5844
CMYK	0.00, 0.05, 0.37, 0.35
HSL	51°, 26%, 54%
HSV	51°, 37%, 65%
XYZ	30.7637, 33.7098, 18.5147
YIQ	154.7630, 22.0560, -14.2640

Conversions

Conversions Part 2

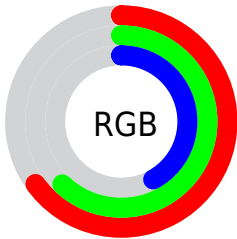
Format	Color
RYB	117, 167, 106
Decimal	10985066
CIELab	64.73, -4.68, 28.39
CIELCh	65, 28.774, 99.368
Yxy	33.7098, 0.3707, 0.4062
Android (android.graphics.Color)	4289175146 (0xFFA79E6A)
YUV	154.7630, -24.0402, 10.7318
Hunter-Lab	58.0601, -7.0253, 21.7352

Details

The Yxy color **33.7098, 0.3707, 0.4062** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **18.1081, 0.2499, 0.2376**, and the grayscale version is **32.7690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.7451, 0.3595, 0.3913**, and **14.3983, 0.3874, 0.4303** is the 20% darker color. If you saturate the color by 10%, you get **32.5657, 0.3871, 0.4264**, and if you desaturate by 10%, it is **34.9414, 0.3541, 0.3850**.

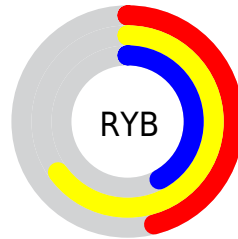
Distribution



Red (65%)

Green (62%)

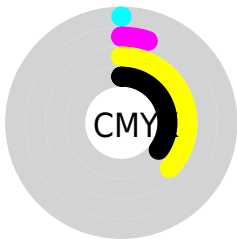
Blue (42%)



Red (46%)

Yellow (65%)

Blue (42%)

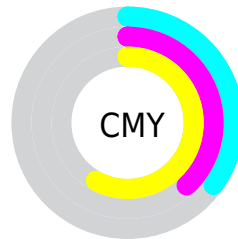


Cyan (0%)

Magenta (5%)

Yellow (37%)

Black (35%)



Cyan (35%)


Magenta (38%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7098, 0.3707, 0.4062 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 33.7098, 0.3707, 0.4062 by changing the saturation by 10% instead.


 33.7098, 0.3707,
0.4062

 33.7098, 0.3707,
0.4062


318.8361, 0.3408,
0.3655

 22.6707, 0.3782,
0.4168

 65.4821, 0.3598,
0.3910


 14.3506, 0.3878,
0.4307


 86.9842, 0.3557,
0.3854

 8.3649, 0.4001,
0.4492


 112.7427, 0.3522,
0.3808

 4.3293, 0.4160,
0.4747

 143.1421, 0.3493,
0.3768

 1.8594, 0.4604,
0.5396

178.5668, 0.3467,
0.3734

 0.5238, 0.4227,
0.5773

219.4010, 0.3445,

 0.0000, 0.0000,

0.3704

0.0000

266.0294, 0.3426,
0.3678

■ 33.7098, 0.3707,
0.4062

■ 33.7098, 0.3707,
0.4062

■ 32.5657, 0.3871,
0.4264

■ 34.9414, 0.3541,
0.3850

■ 31.5006, 0.4028,
0.4447

■ 36.2597, 0.3379,
0.3635

■ 30.5114, 0.4169,
0.4600

■ 37.6696, 0.3224,
0.3424

■ 29.5932, 0.4291,
0.4717

■ 39.1745, 0.3078,
0.3221

■ 28.7403, 0.4386,
0.4790

■ 40.7773, 0.2943,
0.3030

■ 27.9444, 0.4455,
0.4821

■ 42.4810, 0.2819,
0.2852

■ 27.6764, 0.4477,
0.4827

■ 44.2884, 0.2707,
0.2687

■ 46.2021, 0.2605,
0.2536

■ 48.1420, 0.2520,
0.2410

Harmonies

Analogous

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



33.7098, 0.3974, 0.3835



33.7098, 0.3707, 0.4062



33.7098, 0.3295, 0.4074

Triad

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



33.7098, 0.3707, 0.4062



33.7098, 0.2323, 0.2980



33.7098, 0.3364, 0.2830

Complementary

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



33.7098, 0.3707, 0.4062



18.1081, 0.2499, 0.2376

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.



33.7098, 0.2911, 0.2627



33.7098, 0.3707, 0.4062



33.7098, 0.2338, 0.2688

Square

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



33.7098, 0.3707, 0.4062



33.7098, 0.2505, 0.3403



33.7098, 0.2544, 0.2571



33.7098, 0.3776, 0.3140

Rectangle

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



33.7098, 0.3707, 0.4062



33.7098, 0.2997, 0.3935



33.7098, 0.2544, 0.2571



33.7098, 0.3210, 0.2748

Sweetspot

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



33.7113, 0.3707, 0.4062



66.2668, 0.3295, 0.3521



19.7600, 0.3855, 0.3149



14.7563, 0.3315, 0.3548



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.7113, 0.3707, 0.4062



58.6705, 0.3843, 0.4230



34.7558, 0.3448, 0.4248



8.5826, 0.3266, 0.3481



21.2341, 0.4474, 0.4830



0.5662, 0.4368, 0.4914

Inverse Universe

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



18.1081, 0.2499, 0.2376



26.5392, 0.2337, 0.2127



17.6316, 0.2703, 0.2277



7.4724, 0.2986, 0.3092



2.7011, 0.1539, 0.0740



0.1172, 0.1668, 0.1203

Previews

White Background



This preview shows how the Yxy color 33.7098, 0.3707, 0.4062 looks on a white background.

Color Contrast Check

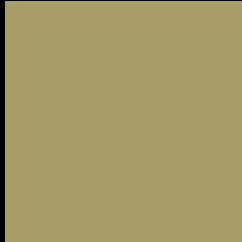
Large Text (above 18pt) WCAG AA × Fail

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 33.7098, 0.3707, 0.4062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

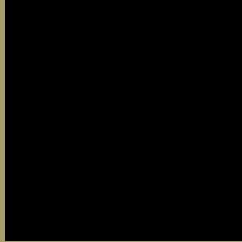
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7098, 0.3707, 0.4062

Background



This preview shows how black text looks on a background with the Yxy color 33.7098, 0.3707, 0.4062.



This preview shows how white text looks on a background with the Yxy color 33.7098, 0.3707, 0.4062.

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

33.7098, 0.3707, 0.4062

Protanopia

33.7006, 0.3744, 0.4039

Deuteranopia

33.5868, 0.3958, 0.3870



Tritanopia

33.6618, 0.3236, 0.3120

Trichromacy



Original Color

33.7098, 0.3707, 0.4062

Protanomaly

33.5896, 0.3733, 0.4042

Deuteranomaly

33.5473, 0.3864, 0.3944

Tritanomaly

33.7221, 0.3415, 0.3466

Monochromacy



Original Color

33.7098, 0.3707, 0.4062

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.9540, 0.3335, 0.3579

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7098, 0.3707, 0.4062 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(167, 158, 106)` looks like.

```
.text, #text, p{  
    color:rgb(167, 158, 106)  
}
```

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(167, 158, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 158, 106) }
```

Border

The CSS property to change the border of an element to Yxy 33.7098, 0.3707, 0.4062 is called "border". The border property can be set on classes, ids or directly on the HTML element.

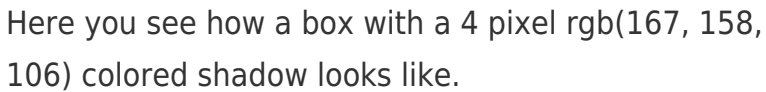
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 158, 106) }
```

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

```
.border{ border-color:rgb(167, 158, 106) }
```

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



Here you see how a box with a 4 pixel rgb(167, 158, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 158, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 158, 106);  
box-shadow:4px 4px 4px 4px rgb(167, 158,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7098, 0.3707, 0.4062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 158, 106) }
```

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

```
.background{ background-color: rgb(167,  
158, 106) }
```

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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