

Converting Colors

$Yxy(33.4527, 0.3654, 0.3861)$

Have a look what the booklet for
Yxy(33.4527, 0.3654, 0.3861)
contains.

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Color

Yxy(33.2731, 0.3648, 0.3852)

Conversions

Conversions Part 1

Format	Color
Hex	AA9B75
RGB	170, 155, 117
RGB Percent	67%, 61%, 46%
CMY	0.3333, 0.3921, 0.5411
CMYK	0.00, 0.09, 0.31, 0.33
HSL	43°, 24%, 56%
HSV	43°, 31%, 67%
XYZ	31.5110, 33.2731, 21.5947
YIQ	155.1530, 21.1380, -8.6380

Conversions

Conversions Part 2

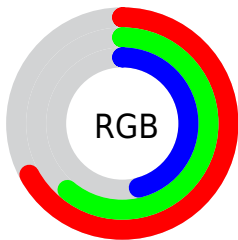
Format	Color
RYB	138, 170, 117
Decimal	11180917
CIELab	64.38, -0.42, 21.95
CIELCh	64, 21.959, 91.089
Yxy	33.2731, 0.3648, 0.3852
Android (android.graphics.Color)	4289370997 (0xFFAA9B75)
YUV	155.1530, -18.8094, 13.0208
Hunter-Lab	57.6828, -3.4340, 18.1816

Details

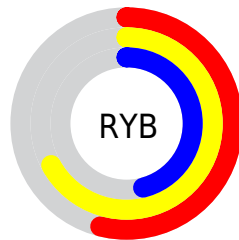
The Yxy color **33.2731, 0.3648, 0.3852** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.1918, 0.2616, 0.2655**, and the grayscale version is **32.9288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6343, 0.3550, 0.3742**, and **14.0999, 0.3818, 0.4038** is the 20% darker color. If you saturate the color by 10%, you get **31.3401, 0.3838, 0.4034**, and if you desaturate by 10%, it is **35.3457, 0.3467, 0.3667**.

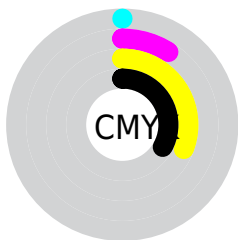
Distribution



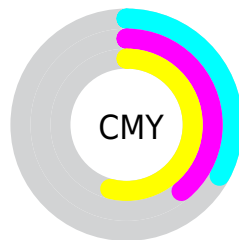
- Red (67%)
- Green (61%)
- Blue (46%)



- Red (54%)
- Yellow (67%)
- Blue (46%)



- Cyan (0%)
- Magenta (9%)
- Yellow (31%)
- Black (33%)





- Cyan (33%)
- Magenta (39%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2731, 0.3648, 0.3852 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 33.2731, 0.3648, 0.3852 by changing the saturation by 10% instead.


 33.2731, 0.3648,
0.3852


 33.2731, 0.3648,
0.3852


316.8785, 0.3375,
0.3557

 22.3357, 0.3719,
0.3929


 64.8017, 0.3546,
0.3742

 14.1038, 0.3813,
0.4031


 86.1617, 0.3509,
0.3701

 8.1929, 0.3939,
0.4168


 111.7647, 0.3477,
0.3667

 4.2186, 0.4115,
0.4361

141.9951, 0.3451,
0.3639

 1.7966, 0.4588,
0.4873

177.2373, 0.3428,
0.3614

 0.4851, 0.4817,
0.5183

217.8756, 0.3408,

 0.0000, 0.0000,

0.3592

0.0000

264.2946, 0.3390,
0.3574

■ 33.2731, 0.3648,
0.3852

■ 33.2731, 0.3648,
0.3852

■ 31.3401, 0.3838,
0.4034

■ 35.3457, 0.3467,
0.3667

■ 29.5373, 0.4031,
0.4204

■ 37.5576, 0.3299,
0.3485

■ 27.8614, 0.4223,
0.4354

■ 39.9144, 0.3144,
0.3310

■ 26.3066, 0.4403,
0.4472

■ 42.4201, 0.3004,
0.3145

■ 24.8669, 0.4564,
0.4549

■ 45.0783, 0.2877,
0.2990

■ 23.5348, 0.4697,
0.4579

■ 47.8926, 0.2764,
0.2847

■ 22.4351, 0.4796,
0.4574

■ 50.8664, 0.2662,
0.2716

■ 54.0029, 0.2571,
0.2596

■ 56.3000, 0.2568,
0.2634

Harmonies

Analogous

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



33.2731, 0.3803, 0.3655



33.2731, 0.3648, 0.3852



33.2731, 0.3356, 0.3901

Triad

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



33.2731, 0.3648, 0.3852



33.2731, 0.2526, 0.3142



33.2731, 0.3215, 0.2877

Complementary

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



33.2731, 0.3648, 0.3852



23.1918, 0.2616, 0.2655

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.



33.2731, 0.2875, 0.2746



33.2731, 0.3648, 0.3852



33.2731, 0.2493, 0.2879

Square

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



33.2731, 0.3648, 0.3852



33.2731, 0.2712, 0.3473



33.2731, 0.2616, 0.2742



33.2731, 0.3547, 0.3104

Rectangle

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



33.2731, 0.3648, 0.3852



33.2731, 0.3127, 0.3829



33.2731, 0.2616, 0.2742



33.2731, 0.3097, 0.2820

Sweetspot

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



33.2746, 0.3648, 0.3852



68.9777, 0.3267, 0.3449



22.9388, 0.3620, 0.3063



15.2499, 0.3290, 0.3474



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.



33.2746, 0.3648, 0.3852



58.0609, 0.3770, 0.3971



37.3579, 0.3474, 0.4082



8.4095, 0.3269, 0.3451



16.6007, 0.4788, 0.4580



0.4841, 0.4552, 0.4767

Inverse Universe

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



23.1918, 0.2616, 0.2655



37.0167, 0.2498, 0.2497



20.2556, 0.2703, 0.2423



7.6336, 0.2986, 0.3124



3.7817, 0.1608, 0.0987



0.1773, 0.1792, 0.1650

Previews

White Background



This preview shows how the Yxy color 33.2731, 0.3648, 0.3852 looks on a white background.

Color Contrast Check

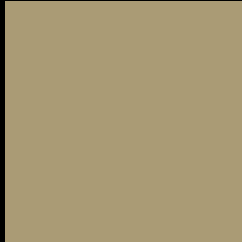
Large Text (above 18pt) WCAG AA × Fail

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 33.2731, 0.3648, 0.3852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

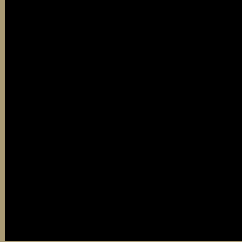
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2731, 0.3648, 0.3852

Background



This preview shows how black text looks on a background with the Yxy color 33.2731, 0.3648, 0.3852.



This preview shows how white text looks on a background with the Yxy color 33.2731, 0.3648, 0.3852.

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

33.2731, 0.3648, 0.3852

Protanopia

33.2768, 0.3612, 0.3873

Deuteranopia

33.3110, 0.3812, 0.3741



Tritanopia

33.1821, 0.3279, 0.3121

Trichromacy



Original Color

33.2731, 0.3648, 0.3852

Protanomaly

33.3861, 0.3622, 0.3870

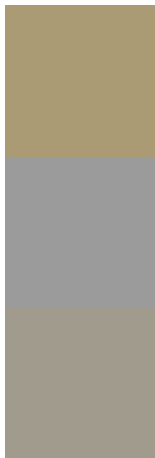
Deuteranomaly

33.3482, 0.3749, 0.3778

Tritanomaly

33.0618, 0.3413, 0.3378

Monochromacy



Original Color

33.2731, 0.3648, 0.3852

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.8394, 0.3309, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2731, 0.3648, 0.3852 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, 155, 117)` looks like.

```
.text, #text, p{  
    color:rgb(170, 155, 117)  
}
```

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, 155, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 155, 117) }
```

Border

The CSS property to change the border of an element to Yxy 33.2731, 0.3648, 0.3852 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, 155, 117) }
```

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

```
.border{ border-color:rgb(170, 155, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 155, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 155, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 155, 117);  
box-shadow:4px 4px 4px 4px rgb(170, 155,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2731, 0.3648, 0.3852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 155, 117) }
```

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

```
.background{ background-color: rgb(170,  
155, 117) }
```

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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