

Converting Colors

$Yxy(33.7757, 0.3757, 0.3832)$

Have a look what the booklet for
Yxy(33.7757, 0.3757, 0.3832)
contains.

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Color

Yxy(33.8371, 0.3749, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	B29A74
RGB	178, 154, 116
RGB Percent	70%, 60%, 45%
CMY	0.3019, 0.3961, 0.5452
CMYK	0.00, 0.13, 0.35, 0.30
HSL	37°, 29%, 58%
HSV	37°, 35%, 70%
XYZ	33.0697, 33.8371, 21.3026
YIQ	156.8440, 26.5020, -6.7300

Conversions

Conversions Part 2

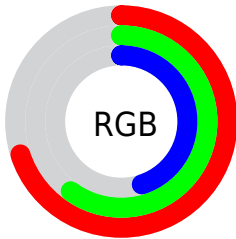
Format	Color
RYB	155, 178, 116
Decimal	11704948
CIELab	64.83, 3.25, 23.26
CIElCh	65, 23.488, 82.045
Yxy	33.8371, 0.3749, 0.3836
Android (android.graphics.Color)	4289895028 (0xFFB29A74)
YUV	156.8440, -20.1361, 18.5538
Hunter-Lab	58.1697, -0.3190, 19.0059

Details

The Yxy color **33.8371, 0.3749, 0.3836** is a light color, and the websafe version is hex **999966**. A complement of this color would be **25.6794, 0.2562, 0.2673**, and the grayscale version is **33.7270, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6011, 0.3633, 0.3731**, and **14.3908, 0.3948, 0.4008** is the 20% darker color. If you saturate the color by 10%, you get **31.2536, 0.3964, 0.3993**, and if you desaturate by 10%, it is **36.6337, 0.3549, 0.3675**.

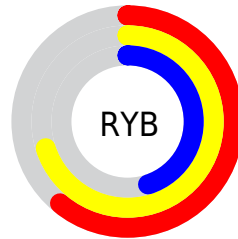
Distribution



Red (70%)

Green (60%)

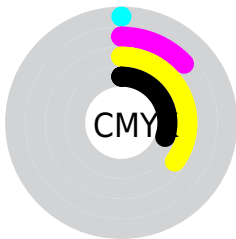
Blue (45%)



Red (61%)

Yellow (70%)

Blue (45%)

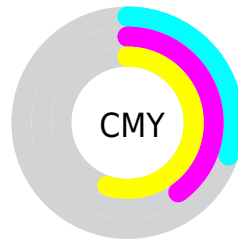


Cyan (0%)

Magenta (13%)

Yellow (35%)

Black (30%)



Cyan (30%)


Magenta (40%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8371, 0.3749, 0.3836 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 33.8371, 0.3749, 0.3836 by changing the saturation by 10% instead.


 33.8371, 0.3749,
0.3836

 33.8371, 0.3749,
0.3836


319.4051, 0.3423,
0.3554

 22.7685, 0.3834,
0.3908


 65.6803, 0.3627,
0.3732

 14.4227, 0.3946,
0.4001


 87.2236, 0.3582,
0.3693

 8.4152, 0.4096,
0.4124


 113.0273, 0.3545,
0.3661

 4.3618, 0.4308,
0.4290

143.4758, 0.3513,
0.3633

 1.8779, 0.4848,
0.4744

178.9534, 0.3486,
0.3609

 0.5350, 0.5235,
0.4765

219.8445, 0.3462,

 0.0000, 0.0000,

0.3588

0.0000

266.5336, 0.3441,
0.3570

■ 33.8371, 0.3749,
0.3836

■ 33.8371, 0.3749,
0.3836

■ 31.2536, 0.3964,
0.3993

■ 36.6337, 0.3549,
0.3675

■ 28.8718, 0.4188,
0.4136

■ 39.6451, 0.3366,
0.3515

■ 26.6860, 0.4415,
0.4256

■ 42.8787, 0.3201,
0.3362

■ 24.6883, 0.4633,
0.4341

■ 46.3402, 0.3053,
0.3216

■ 22.8699, 0.4831,
0.4380

■ 50.0351, 0.2923,
0.3081

■ 21.2205, 0.4998,
0.4368

■ 53.9685, 0.2807,
0.2956

■ 20.4274, 0.5078,
0.4350

■ 58.1454, 0.2704,
0.2841

■ 62.3507, 0.2632,
0.2770

■ 65.8084, 0.2641,
0.2850

Harmonies

Analogous

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



33.8371, 0.3857, 0.3593



33.8371, 0.3749, 0.3836



33.8371, 0.3473, 0.3946

Triad

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



33.8371, 0.3749, 0.3836



33.8371, 0.2533, 0.3234



33.8371, 0.3106, 0.2798

Complementary

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



33.8371, 0.3749, 0.3836



25.6794, 0.2562, 0.2673

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.



33.8371, 0.2763, 0.2697



33.8371, 0.3749, 0.3836



33.8371, 0.2447, 0.2924

Square

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



33.8371, 0.3749, 0.3836



33.8371, 0.2772, 0.3588



33.8371, 0.2529, 0.2737



33.8371, 0.3475, 0.3011

Rectangle

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



33.8371, 0.3749, 0.3836



33.8371, 0.3237, 0.3912



33.8371, 0.2529, 0.2737



33.8371, 0.2984, 0.2750

Sweetspot

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



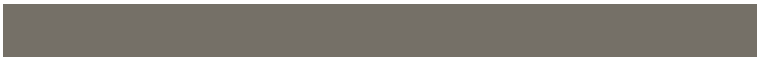
33.8387, 0.3749, 0.3836



74.5714, 0.3286, 0.3442



23.8684, 0.3610, 0.2931



16.3420, 0.3310, 0.3464



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



33.8387, 0.3749, 0.3836



57.6296, 0.3917, 0.3960



41.8575, 0.3583, 0.4161



9.3432, 0.3272, 0.3429



14.7377, 0.5065, 0.4360



0.5728, 0.4764, 0.4600

Inverse Universe

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



25.6794, 0.2562, 0.2673



40.5712, 0.2426, 0.2504



19.8501, 0.2568, 0.2283



8.7517, 0.2985, 0.3147



5.4510, 0.1681, 0.1251



0.2866, 0.1843, 0.1834

Previews

White Background



This preview shows how the Yxy color 33.8371, 0.3749, 0.3836 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 33.8371, 0.3749, 0.3836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

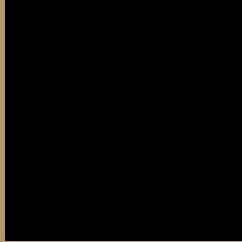
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.8371, 0.3749, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 33.8371, 0.3749, 0.3836.



This preview shows how white text looks on a background with the Yxy color 33.8371, 0.3749, 0.3836.

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

33.8371, 0.3749, 0.3836

Protanopia

33.8333, 0.3629, 0.3882

Deuteranopia

33.8567, 0.3839, 0.3765



Tritanopia

33.7852, 0.3373, 0.3125

Trichromacy



Original Color

33.8371, 0.3749, 0.3836

Protanomaly

33.8319, 0.3665, 0.3862

Deuteranomaly

33.8081, 0.3802, 0.3784

Tritanomaly

33.6501, 0.3511, 0.3376

Monochromacy



Original Color

33.8371, 0.3749, 0.3836

Achromatopsia

33.7164, 0.3127, 0.3290

Achromatomaly

33.7293, 0.3349, 0.3498

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8371, 0.3749, 0.3836 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(178, 154, 116)` looks like.

```
.text, #text, p{  
    color:rgb(178, 154, 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(178, 154, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 154, 116) }
```

Border

The CSS property to change the border of an element to Yxy 33.8371, 0.3749, 0.3836 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(178, 154, 116) }
```

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

```
.border{ border-color:rgb(178, 154, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 154, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 154, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 154, 116);  
box-shadow:4px 4px 4px 4px rgb(178, 154,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8371, 0.3749, 0.3836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 154, 116) }
```

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

```
.background{ background-color: rgb(178,  
154, 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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