

Converting Colors

$Y_{xy}(32.8391, 0.3636, 0.3804)$

Have a look what the booklet for
Yxy(32.8391, 0.3636, 0.3804)
contains.

Yxy(32.9892, 0.3633, 0.3809)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.9892, 0.3633, 0.3809)

Conversions

Conversions Part 1

Format	Color
Hex	AA9A77
RGB	170, 154, 119
RGB Percent	67%, 60%, 47%
CMY	0.3333, 0.3961, 0.5334
CMYK	0.00, 0.09, 0.30, 0.33
HSL	41°, 23%, 57%
HSV	41°, 30%, 67%
XYZ	31.4649, 32.9892, 22.1545
YIQ	154.7940, 20.7710, -7.4930

Conversions

Conversions Part 2

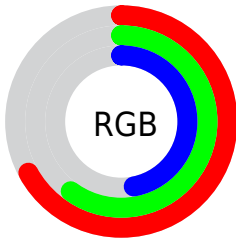
Format	Color
RYB	142, 170, 119
Decimal	11180663
CIELab	64.15, 0.40, 20.56
CIElCh	64, 20.564, 88.879
Yxy	32.9892, 0.3633, 0.3809
Android (android.graphics.Color)	4289370743 (0xFFAA9A77)
YUV	154.7940, -17.6464, 13.3357
Hunter-Lab	57.4362, -2.7270, 17.3358

Details

The Yxy color **32.9892, 0.3633, 0.3809** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.1505, 0.2639, 0.2709**, and the grayscale version is **32.7560, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2208, 0.3538, 0.3708**, and **13.9246, 0.3798, 0.3979** is the 20% darker color. If you saturate the color by 10%, you get **30.8957, 0.3827, 0.3985**, and if you desaturate by 10%, it is **35.2371, 0.3450, 0.3631**.

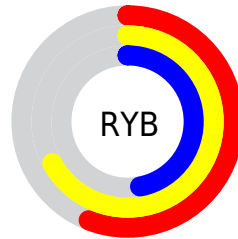
Distribution



Red (67%)

Green (60%)

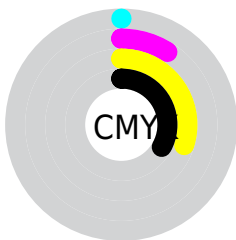
Blue (47%)



Red (56%)

Yellow (67%)

Blue (47%)

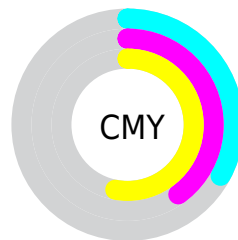


Cyan (0%)

Magenta (9%)

Yellow (30%)

Black (33%)



Cyan (33%)


Magenta (40%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9892, 0.3633, 0.3809 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 32.9892, 0.3633, 0.3809 by changing the saturation by 10% instead.


 32.9892, 0.3633,
0.3809


 32.9892, 0.3633,
0.3809


315.6011, 0.3367,
0.3537


 22.1182, 0.3703,
0.3881


 64.3587, 0.3533,
0.3707

 13.9438, 0.3795,
0.3974


 85.6259, 0.3497,
0.3670

 8.0816, 0.3920,
0.4102


 111.1273, 0.3466,
0.3638

 4.1472, 0.4098,
0.4282

141.2473, 0.3440,
0.3612

 1.7562, 0.4542,
0.4734

176.3703, 0.3418,
0.3589

 0.4597, 0.4929,
0.5071

216.8807, 0.3399,

 0.0000, 0.0000,

0.3569

0.0000

263.1628, 0.3382,
0.3552

■ 32.9892, 0.3633,
0.3809

■ 32.9892, 0.3633,
0.3809

■ 30.8957, 0.3827,
0.3985

■ 35.2371, 0.3450,
0.3631

■ 28.9471, 0.4028,
0.4151

■ 37.6396, 0.3281,
0.3457

■ 27.1397, 0.4230,
0.4298

■ 40.2023, 0.3127,
0.3290

■ 25.4678, 0.4424,
0.4415

■ 42.9295, 0.2989,
0.3133

■ 23.9249, 0.4600,
0.4492

■ 45.8251, 0.2864,
0.2987

■ 22.5035, 0.4750,
0.4521

■ 48.8928, 0.2753,
0.2852

■ 21.1913, 0.4875,
0.4511

■ 52.1362, 0.2654,
0.2728

■ 55.5590, 0.2565,
0.2614

■ 58.0208, 0.2574,
0.2678

Harmonies

Analogous

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



32.9892, 0.3765, 0.3617



32.9892, 0.3633, 0.3809



32.9892, 0.3366, 0.3865

Triad

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



32.9892, 0.3633, 0.3809



32.9892, 0.2569, 0.3174



32.9892, 0.3186, 0.2888

Complementary

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



32.9892, 0.3633, 0.3809



24.1505, 0.2639, 0.2709

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.



32.9892, 0.2869, 0.2772



32.9892, 0.3633, 0.3809



32.9892, 0.2526, 0.2919

Square

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



32.9892, 0.3633, 0.3809



32.9892, 0.2755, 0.3484



32.9892, 0.2633, 0.2779



32.9892, 0.3501, 0.3097

Rectangle

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



32.9892, 0.3633, 0.3809



32.9892, 0.3152, 0.3806



32.9892, 0.2633, 0.2779



32.9892, 0.3076, 0.2837

Sweetspot

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



32.9907, 0.3633, 0.3809



68.6632, 0.3268, 0.3442



23.4898, 0.3574, 0.3047



15.1693, 0.3290, 0.3467



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.



32.9907, 0.3633, 0.3809



57.2929, 0.3761, 0.3926



37.6300, 0.3478, 0.4047



8.3707, 0.3269, 0.3444



15.6877, 0.4866, 0.4518



0.4670, 0.4597, 0.4732

Inverse Universe

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



24.1505, 0.2639, 0.2709



38.6711, 0.2522, 0.2556



20.7066, 0.2704, 0.2455



7.6705, 0.2986, 0.3131



4.1218, 0.1628, 0.1060



0.1909, 0.1817, 0.1740

Previews

White Background



This preview shows how the Yxy color 32.9892, 0.3633, 0.3809 looks on a white background.

Color Contrast Check

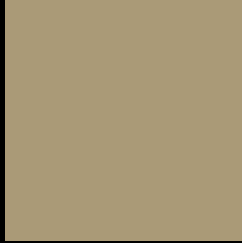
Large Text (above 18pt) WCAG AA × Fail

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 32.9892, 0.3633, 0.3809 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

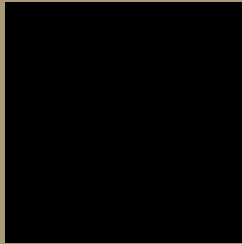
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9892, 0.3633, 0.3809

Background



This preview shows how black text looks on a background with the Yxy color 32.9892, 0.3633, 0.3809.



This preview shows how white text looks on a background with the Yxy color 32.9892, 0.3633, 0.3809.

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

32.9892, 0.3633, 0.3809

Protanopia

32.9057, 0.3576, 0.3816

Deuteranopia

32.7960, 0.3775, 0.3703



Tritanopia

32.8318, 0.3290, 0.3120

Trichromacy



Original Color

32.9892, 0.3633, 0.3809

Protanomaly

33.0142, 0.3587, 0.3814

Deuteranomaly

32.9543, 0.3722, 0.3738

Tritanomaly

32.7413, 0.3416, 0.3363

Monochromacy



Original Color

32.9892, 0.3633, 0.3809

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

32.8693, 0.3299, 0.3487

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9892, 0.3633, 0.3809 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, 154, 119)` looks like.

```
.text, #text, p{  
    color:rgb(170, 154, 119)  
}
```

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, 154, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 154, 119) }
```

Border

The CSS property to change the border of an element to Yxy 32.9892, 0.3633, 0.3809 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, 154, 119) }
```

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

```
.border{ border-color:rgb(170, 154, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 154, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 154, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 154, 119);  
box-shadow:4px 4px 4px 4px rgb(170, 154,  
119) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9892, 0.3633, 0.3809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 154, 119) }
```

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

```
.background{ background-color: rgb(170,  
154, 119) }
```

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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