

Converting Colors

$Yxy(33.9902, 0.3734, 0.3699)$

Have a look what the booklet for
Yxy(33.9902, 0.3734, 0.3699)
contains.

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Color

Yxy(33.9538, 0.3741, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	B7987B
RGB	183, 152, 123
RGB Percent	72%, 60%, 48%
CMY	0.2824, 0.4039, 0.5176
CMYK	0.00, 0.17, 0.33, 0.28
HSL	29°, 29%, 60%
HSV	29°, 33%, 72%
XYZ	34.3300, 33.9538, 23.4832
YIQ	157.9630, 27.7850, -2.4470

Conversions

Conversions Part 2

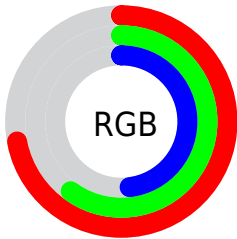
Format	Color
RYB	183, 179, 123
Decimal	12032123
CIELab	64.93, 7.26, 19.59
CIELCh	65, 20.891, 69.657
Yxy	33.9538, 0.3741, 0.3700
Android (android.graphics.Color)	4290222203 (0xFFB7987B)
YUV	157.9630, -17.2368, 21.9574
Hunter-Lab	58.2699, 3.1920, 16.8946

Details

The Yxy color **33.9538, 0.3741, 0.3700** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **30.7351, 0.2612, 0.2840**, and the grayscale version is **34.2450, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8025, 0.3619, 0.3617**, and **14.4689, 0.3943, 0.3818** is the 20% darker color. If you saturate the color by 10%, you get **30.5923, 0.3981, 0.3828**, and if you desaturate by 10%, it is **37.6486, 0.3526, 0.3570**.

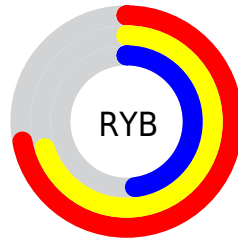
Distribution



Red (72%)

Green (60%)

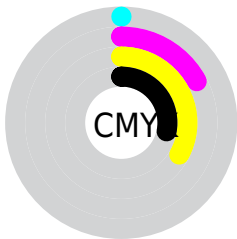
Blue (48%)



Red (72%)

Yellow (70%)

Blue (48%)

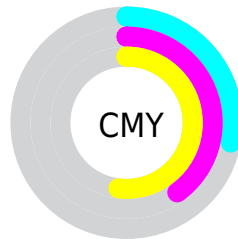


Cyan (0%)

Magenta (17%)

Yellow (33%)

Black (28%)



Cyan (28%)


Magenta (40%)

Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.9538, 0.3741, 0.3700 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 33.9538, 0.3741, 0.3700 by changing the saturation by 10% instead.


 33.9538, 0.3741,
0.3700


 33.9538, 0.3741,
0.3700

319.9260, 0.3417,
0.3491


 22.8581, 0.3827,
0.3753


 65.8618, 0.3619,
0.3623

 14.4888, 0.3940,
0.3820


 87.4429, 0.3575,
0.3595

 8.4614, 0.4096,
0.3908


 113.2880, 0.3538,
0.3571

 4.3916, 0.4320,
0.4027

143.7814, 0.3506,
0.3550

 1.8949, 0.4760,
0.4271

179.3074, 0.3479,
0.3532

 0.5453, 0.5606,
0.4394

220.2507, 0.3456,

 0.0000, 0.0000,

0.3517

0.0000

266.9954, 0.3435,
0.3503

■ 33.9538, 0.3741,
0.3700

■ 33.9538, 0.3741,
0.3700

■ 30.5923, 0.3981,
0.3828

■ 37.6486, 0.3526,
0.3570

■ 27.5489, 0.4243,
0.3946

■ 41.6819, 0.3336,
0.3443

■ 24.8141, 0.4520,
0.4044

■ 46.0645, 0.3170,
0.3322

■ 22.3758, 0.4800,
0.4109

■ 50.8057, 0.3025,
0.3209

■ 20.2211, 0.5067,
0.4131

■ 55.9139, 0.2899,
0.3104

■ 18.3351, 0.5303,
0.4099

■ 61.3974, 0.2789,
0.3008

■ 17.1252, 0.5454,
0.4051

■ 67.2644, 0.2694,
0.2920

■ 72.5605, 0.2684,
0.2987

■ 77.8916, 0.2695,
0.3093

Harmonies

Analogous

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



33.9538, 0.3760, 0.3456



33.9538, 0.3741, 0.3700



33.9538, 0.3551, 0.3851

Triad

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



33.9538, 0.3741, 0.3700



33.9538, 0.2671, 0.3373



33.9538, 0.2976, 0.2798

Complementary

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



33.9538, 0.3741, 0.3700



30.7351, 0.2612, 0.2840

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.



33.9538, 0.2702, 0.2759



33.9538, 0.3741, 0.3700



33.9538, 0.2533, 0.3071

Square

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



33.9538, 0.3741, 0.3700



33.9538, 0.2931, 0.3667



33.9538, 0.2544, 0.2851



33.9538, 0.3305, 0.2952

Rectangle

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



33.9538, 0.3741, 0.3700



33.9538, 0.3359, 0.3868



33.9538, 0.2544, 0.2851



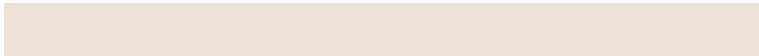
33.9538, 0.2875, 0.2771

Sweetspot

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



33.9554, 0.3741, 0.3700



76.6542, 0.3290, 0.3411



26.5652, 0.3489, 0.2857



16.6937, 0.3314, 0.3428



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



33.9554, 0.3741, 0.3700



56.6248, 0.3903, 0.3788



44.9481, 0.3618, 0.4083



9.7096, 0.3276, 0.3401



12.0845, 0.5435, 0.4066



0.5500, 0.5034, 0.4385

Inverse Universe

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



30.7351, 0.2612, 0.2840



49.9996, 0.2502, 0.2727



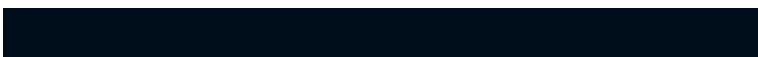
22.0451, 0.2552, 0.2351



9.4660, 0.2985, 0.3177



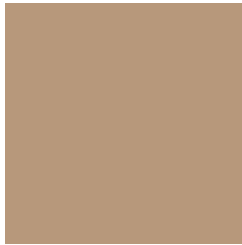
8.1715, 0.1793, 0.1654



0.4114, 0.1920, 0.2113

Previews

White Background



This preview shows how the Yxy color 33.9538, 0.3741, 0.3700 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 33.9538, 0.3741, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

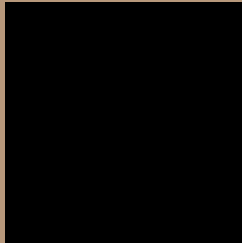
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.9538, 0.3741, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 33.9538, 0.3741, 0.3700.



This preview shows how white text looks on a background with the Yxy color 33.9538, 0.3741, 0.3700.

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

33.9538, 0.3741, 0.3700

Protanopia

33.9451, 0.3532, 0.3750

Deuteranopia

33.8776, 0.3767, 0.3683



Tritanopia

33.9354, 0.3427, 0.3127

Trichromacy



Original Color

33.9538, 0.3741, 0.3700

Protanomaly

33.8076, 0.3602, 0.3729

Deuteranomaly

33.7536, 0.3756, 0.3685

Tritanomaly

34.0093, 0.3546, 0.3333

Monochromacy



Original Color

33.9538, 0.3741, 0.3700

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

34.0368, 0.3341, 0.3452

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.9538, 0.3741, 0.3700 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(183, 152, 123)` looks like.

```
.text, #text, p{  
    color:rgb(183, 152, 123)  
}
```

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(183, 152, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 152, 123) }
```

Border

The CSS property to change the border of an element to Yxy 33.9538, 0.3741, 0.3700 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(183, 152, 123) }
```

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

```
.border{ border-color:rgb(183, 152, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 152, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 152, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 152, 123);  
box-shadow:4px 4px 4px 4px rgb(183, 152,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 33.9538, 0.3741, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 152, 123) }
```

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

```
.background{ background-color: rgb(183,  
152, 123) }
```

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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