

Converting Colors

Yxy(33.2854, 0.4197, 0.3842)

Have a look what the booklet for
Yxy(33.2854, 0.4197, 0.3842)
contains.

Yxy(33.3233, 0.4197, 0.3836)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.3233, 0.4197, 0.3836)

Conversions

Conversions Part 1

Format	Color
Hex	C99066
RGB	201, 144, 102
RGB Percent	79%, 56%, 40%
CMY	0.2118, 0.4353, 0.5999
CMYK	0.00, 0.28, 0.49, 0.21
HSL	25°, 48%, 59%
HSV	25°, 49%, 79%
XYZ	36.4593, 33.3233, 17.0873
YIQ	156.2550, 47.4540, -0.9780

Conversions

Conversions Part 2

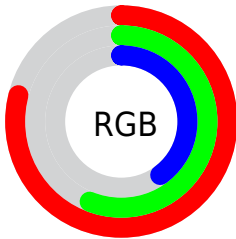
Format	Color
R_{YB}	201, 175, 102
Decimal	13209702
CIE _{Lab}	64.42, 16.65, 30.78
CIE _{LCh}	64, 34.994, 61.590
Yxy	33.3233, 0.4197, 0.3836
Android (android.graphics.Color)	4291399782 (0xFFC99066)
YUV	156.2550, -26.7477, 39.2414
Hunter-Lab	57.7263, 11.7175, 22.8583

Details

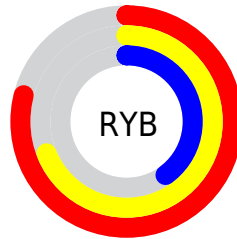
The Yxy color **33.3233, 0.4197, 0.3836** is a light color, and the websafe version is hex **CC9966**. A complement of this color would be **31.8458, 0.2365, 0.2650**, and the grayscale version is **33.4732, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.9813, 0.3942, 0.3750**, and **14.0243, 0.4536, 0.3955** is the 20% darker color. If you saturate the color by 10%, you get **29.6447, 0.4494, 0.3928**, and if you desaturate by 10%, it is **37.4613, 0.3923, 0.3728**.

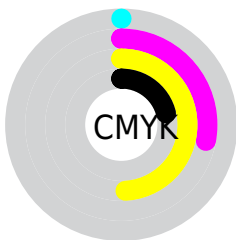
Distribution



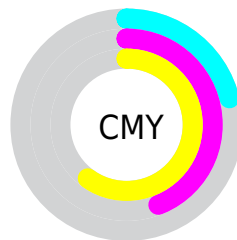
- Red (79%)
- Green (56%)
- Blue (40%)



- Red (79%)
- Yellow (69%)
- Blue (40%)



- Cyan (0%)
- Magenta (28%)
- Yellow (49%)
- Black (21%)





- Cyan (21%)
- Magenta (44%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3233, 0.4197, 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 33.3233, 0.4197, 0.3836 by changing the saturation by 10% instead.


 33.3233, 0.4197,
0.3836


 33.3233, 0.4197,
0.3836


317.1040, 0.3633,
0.3574

 22.3742, 0.4343,
0.3893


 64.8800, 0.3987,
0.3746


 14.1321, 0.4533,
0.3960


 86.2563, 0.3910,
0.3710

 8.2126, 0.4783,
0.4033


 111.8772, 0.3845,
0.3680

 4.2313, 0.5129,
0.4103

 142.1271, 0.3790,
0.3653

 1.8038, 0.5763,
0.4237

177.3903, 0.3742,
0.3630

 0.4895, 0.6405,
0.3595

218.0513, 0.3701,

 0.0000, 0.0000,

0.3609

0.0000

264.4944, 0.3665,
0.3591

■ 33.3233, 0.4197,
0.3836

■ 33.3233, 0.4197,
0.3836

■ 29.6447, 0.4494,
0.3928

■ 37.4613, 0.3923,
0.3728

■ 26.4028, 0.4804,
0.3993

■ 42.0706, 0.3678,
0.3613

■ 23.5798, 0.5109,
0.4016


■ 47.1686, 0.3463,
0.3498

■ 21.1543, 0.5386,
0.3988

■ 52.7701, 0.3277,
0.3387

■ 19.0973, 0.5620,
0.3912


■ 58.8895, 0.3116,
0.3282

 18.9540, 0.5637,
0.3906

 65.5403, 0.2977,
0.3185

 72.7356, 0.2858,
0.3096

 79.9739, 0.2797,
0.3094

 86.8789, 0.2806,
0.3217

Harmonies

Analogous

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



33.3233, 0.4156, 0.3414



33.3233, 0.4197, 0.3836



33.3233, 0.3931, 0.4171

Triad

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



33.3233, 0.4197, 0.3836



33.3233, 0.2465, 0.3568



33.3233, 0.2731, 0.2462

Complementary

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



33.3233, 0.4197, 0.3836



31.8458, 0.2365, 0.2650

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.



33.3233, 0.2340, 0.2441



33.3233, 0.4197, 0.3836



33.3233, 0.2195, 0.3025

Square

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



33.3233, 0.4197, 0.3836



33.3233, 0.2922, 0.4064



33.3233, 0.2154, 0.2627



33.3233, 0.3266, 0.2662

Rectangle

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



33.3233, 0.4197, 0.3836



33.3233, 0.3631, 0.4280



33.3233, 0.2154, 0.2627



33.3233, 0.2580, 0.2433

Sweetspot

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



33.3249, 0.4197, 0.3836



84.5198, 0.3385, 0.3453



24.4547, 0.3677, 0.2557



17.6601, 0.3426, 0.3476



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



33.3249, 0.4197, 0.3836



50.4105, 0.4512, 0.3933



51.4060, 0.3889, 0.4393



11.3641, 0.3279, 0.3388



12.0912, 0.5612, 0.3926



0.7154, 0.5246, 0.4217

Inverse Universe

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



31.8458, 0.2365, 0.2650



47.5390, 0.2218, 0.2481



18.2543, 0.2218, 0.1872



11.2846, 0.2983, 0.3190



10.6531, 0.1848, 0.1852



0.6458, 0.1940, 0.2182

Previews

White Background



This preview shows how the Yxy color 33.3233, 0.4197, 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 33.3233, 0.4197, 0.3836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

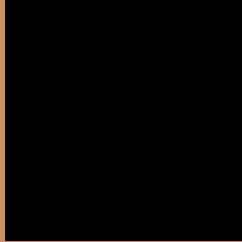
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3233, 0.4197, 0.3836

Background



This preview shows how black text looks on a background with the Yxy color 33.3233, 0.4197, 0.3836.



This preview shows how white text looks on a background with the Yxy color 33.3233, 0.4197, 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

33.3233, 0.4197, 0.3836

Protanopia

33.2735, 0.3729, 0.4015

Deuteranopia

33.4436, 0.4027, 0.3962



Tritanopia

33.2942, 0.3763, 0.3163

Trichromacy



Original Color

33.3233, 0.4197, 0.3836

Protanomaly

33.3002, 0.3900, 0.3955

Deuteranomaly

33.4569, 0.4094, 0.3921

Tritanomaly

33.2322, 0.3937, 0.3409

Monochromacy



Original Color

33.3233, 0.4197, 0.3836

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.0047, 0.3491, 0.3525

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3233, 0.4197, 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(201, 144, 102)` looks like.

```
.text, #text, p{  
    color:rgb(201, 144, 102)  
}
```

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(201, 144, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 144, 102) }
```

Border

The CSS property to change the border of an element to Yxy 33.3233, 0.4197, 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(201, 144, 102) }
```

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

```
.border{ border-color:rgb(201, 144, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 144, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 144, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 144, 102);  
box-shadow:4px 4px 4px 4px rgb(201, 144,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3233, 0.4197, 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(201, 144, 102) }
```

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

```
.background{ background-color: rgb(201,  
144, 102) }
```

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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