

Converting Colors

$Yxy(33.1888, 0.3541, 0.4199)$

Have a look what the booklet for
Yxy(33.1888, 0.3541, 0.4199)
contains.

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Color

Yxy(33.0483, 0.3550, 0.4197)

Conversions

Conversions Part 1

Format	Color
Hex	97A167
RGB	151, 161, 103
RGB Percent	59%, 63%, 40%
CMY	0.4079, 0.3686, 0.5960
CMYK	0.06, 0.00, 0.36, 0.37
HSL	70°, 24%, 52%
HSV	70°, 36%, 63%
XYZ	27.9536, 33.0483, 17.7407
YIQ	151.3980, 12.6580, -20.1580

Conversions

Conversions Part 2

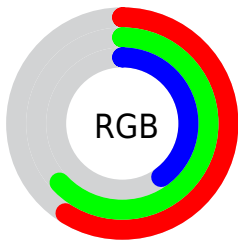
Format	Color
RYB	103, 161, 113
Decimal	9937255
CIELab	64.20, -13.18, 29.04
CIELCh	64, 31.891, 114.413
Yxy	33.0483, 0.3550, 0.4197
Android (android.graphics.Color)	4288127335 (0xFF97A167)
YUV	151.3980, -23.8602, -0.3490
Hunter-Lab	57.4877, -13.8069, 21.9444

Details

The Yxy color **33.0483, 0.3550, 0.4197** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **15.7900, 0.2597, 0.2265**, and the grayscale version is **31.2272, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.6001, 0.3472, 0.4011**, and **14.0803, 0.3655, 0.4510** is the 20% darker color. If you saturate the color by 10%, you get **32.4938, 0.3656, 0.4447**, and if you desaturate by 10%, it is **33.6743, 0.3435, 0.3939**.

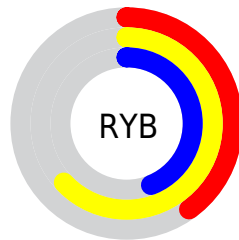
Distribution



Red (59%)

Green (63%)

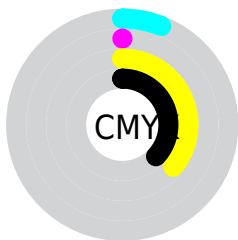
Blue (40%)



Red (40%)

Yellow (63%)

Blue (44%)

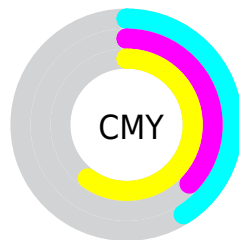


Cyan (6%)

Magenta (0%)

Yellow (36%)

Black (37%)



Cyan (41%)


Magenta (37%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0483, 0.3550, 0.4197 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 33.0483, 0.3550, 0.4197 by changing the saturation by 10% instead.


 33.0483, 0.3550,
0.4197


 33.0483, 0.3550,
0.4197


315.8673, 0.3338,
0.3708

 22.1634, 0.3600,
0.4330


 64.4509, 0.3474,
0.4011


 13.9770, 0.3662,
0.4505


 85.7375, 0.3445,
0.3944

 8.1047, 0.3737,
0.4747


 111.2601, 0.3421,
0.3888

 4.1620, 0.3819,
0.5095

 141.4031, 0.3399,
0.3841

 1.7646, 0.4083,
0.5917

176.5510, 0.3381,
0.3800

 0.4650, 0.2054,
0.7946

217.0880, 0.3365,

 0.0000, 0.0000,

0.3766

0.0000

263.3987, 0.3351,
0.3735

■ 33.0483, 0.3550,
0.4197

■ 33.0483, 0.3550,
0.4197

■ 32.4938, 0.3656,
0.4447

■ 33.6743, 0.3435,
0.3939

■ 32.0027, 0.3748,
0.4680

■ 34.3708, 0.3316,
0.3683

■ 31.5726, 0.3820,
0.4885


■ 35.1422, 0.3198,
0.3434


■ 31.1989, 0.3870,
0.5053

■ 35.9915, 0.3081,
0.3198

■ 30.8765, 0.3895,
0.5179

■ 36.9216, 0.2970,
0.2977


 30.5983, 0.3896,
0.5262

 37.9349, 0.2866,
0.2773

 30.4934, 0.3894,
0.5290

 39.0339, 0.2768,
0.2586

 40.2212, 0.2678,
0.2417

 41.4988, 0.2596,
0.2264

Harmonies

Analogous

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



33.0483, 0.3946, 0.4042



33.0483, 0.3550, 0.4197



33.0483, 0.3059, 0.4067

Triad

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



33.0483, 0.3550, 0.4197



33.0483, 0.2219, 0.2756



33.0483, 0.3637, 0.2940

Complementary

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



33.0483, 0.3550, 0.4197



15.7900, 0.2597, 0.2265

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.



33.0483, 0.3133, 0.2653



33.0483, 0.3550, 0.4197



33.0483, 0.2343, 0.2532

Square

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



33.0483, 0.3550, 0.4197



33.0483, 0.2311, 0.3163



33.0483, 0.2664, 0.2505



33.0483, 0.4013, 0.3315

Rectangle

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



33.0483, 0.3550, 0.4197



33.0483, 0.2747, 0.3820



33.0483, 0.2664, 0.2505



33.0483, 0.3475, 0.2832

Sweetspot

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



33.0498, 0.3550, 0.4197



62.1962, 0.3259, 0.3562



20.2963, 0.3911, 0.3449



13.6028, 0.3274, 0.3593



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



33.0498, 0.3550, 0.4197



58.3973, 0.3633, 0.4393



30.6349, 0.3258, 0.4289



8.1751, 0.3236, 0.3514



24.3671, 0.3897, 0.5288



0.5274, 0.4011, 0.5197

Inverse Universe

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



15.7900, 0.2597, 0.2265



22.9751, 0.2455, 0.2008



17.9989, 0.2930, 0.2356



6.9161, 0.3012, 0.3060



2.2634, 0.1589, 0.0649



0.0631, 0.1879, 0.0809

Previews

White Background



This preview shows how the Yxy color 33.0483, 0.3550, 0.4197 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 33.0483, 0.3550, 0.4197 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

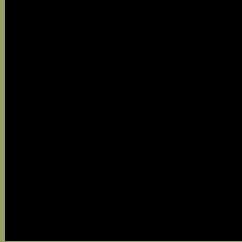
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0483, 0.3550, 0.4197

Background



This preview shows how black text looks on a background with the Yxy color 33.0483, 0.3550, 0.4197.



This preview shows how white text looks on a background with the Yxy color 33.0483, 0.3550, 0.4197.

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

33.0483, 0.3550, 0.4197

Protanopia

32.8173, 0.3790, 0.4087

Deuteranopia

32.9746, 0.3962, 0.3888



Tritanopia

32.8700, 0.3076, 0.3113

Trichromacy



Original Color

33.0483, 0.3550, 0.4197

Protanomaly

32.7546, 0.3695, 0.4122

Deuteranomaly

32.6866, 0.3807, 0.3991

Tritanomaly

32.7978, 0.3257, 0.3504

Monochromacy



Original Color

33.0483, 0.3550, 0.4197

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.7432, 0.3283, 0.3620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0483, 0.3550, 0.4197 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(151, 161, 103)` looks like.

```
.text, #text, p{  
    color:rgb(151, 161, 103)  
}
```

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(151, 161, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 161, 103) }
```

Border

The CSS property to change the border of an element to Yxy 33.0483, 0.3550, 0.4197 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(151, 161, 103) }
```

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

```
.border{ border-color:rgb(151, 161, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 161, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 161, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 161, 103);  
box-shadow:4px 4px 4px 4px rgb(151, 161,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0483, 0.3550, 0.4197 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 161, 103) }
```

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

```
.background{ background-color: rgb(151,  
161, 103) }
```

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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