

Converting Colors

$Yxy(33.9059, 0.3218, 0.3552)$

Have a look what the booklet for
Yxy(33.9059, 0.3218, 0.3552)
contains.

Yxy(33.8971, 0.3212, 0.3550)	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(33.8971, 0.3212, 0.3550)

Conversions

Conversions Part 1

Format	Color
Hex	99A08F
RGB	153, 160, 143
RGB Percent	60%, 63%, 56%
CMY	0.3999, 0.3726, 0.4392
CMYK	0.04, 0.00, 0.11, 0.37
HSL	85°, 8%, 59%
HSV	85°, 11%, 63%
XYZ	30.6697, 33.8971, 30.9180
YIQ	155.9690, 1.2850, -6.7710

Conversions

Conversions Part 2

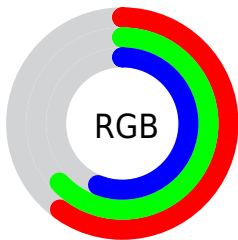
Format	Color
RYB	143, 160, 150
Decimal	10068111
CIELab	64.88, -5.68, 7.99
CIELCh	65, 9.805, 125.382
Yxy	33.8971, 0.3212, 0.3550
Android (android.graphics.Color)	4288258191 (0xFF99A08F)
YUV	155.9690, -6.3937, -2.6038
Hunter-Lab	58.2212, -7.8571, 9.2693

Details

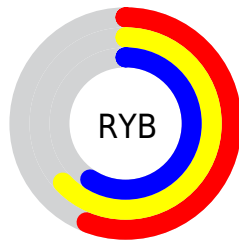
The Yxy color **33.8971, 0.3212, 0.3550** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.6697, 0.3036, 0.3028**, and the grayscale version is **33.2624, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8975, 0.3191, 0.3498**, and **14.5524, 0.3234, 0.3642** is the 20% darker color. If you saturate the color by 10%, you get **32.8259, 0.3292, 0.3813**, and if you desaturate by 10%, it is **35.0756, 0.3132, 0.3304**.

Distribution



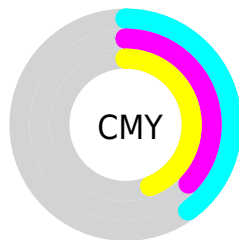
- Red (60%)
- Green (63%)
- Blue (56%)



- Red (56%)
- Yellow (63%)
- Blue (59%)



- Cyan (4%)
- Magenta (0%)
- Yellow (11%)
- Black (37%)




- Cyan (40%)
- Magenta (37%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.8971, 0.3212, 0.3550 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 33.8971, 0.3212, 0.3550 by changing the saturation by 10% instead.

 33.8971, 0.3212,
0.3550


 33.8971, 0.3212,
0.3550


319.6730, 0.3168,
0.3412

 22.8146, 0.3223,
0.3588

 65.7736, 0.3196,
0.3497

 14.4566, 0.3238,
0.3638


 87.3364, 0.3190,
0.3478

 8.4389, 0.3259,
0.3709

113.1614, 0.3185,
0.3463

 4.3771, 0.3288,
0.3816

143.6329, 0.3180,
0.3449

 1.8867, 0.3333,
0.3996

179.1355, 0.3177,
0.3438

 0.5403, 0.3969,
0.5719

220.0534, 0.3173,

 0.0000, 0.0000,

0.3428

0.0000

266.7711, 0.3171,
0.3419

■ 33.8971, 0.3212,
0.3550

■ 33.8971, 0.3212,
0.3550

■ 32.8259, 0.3292,
0.3813

■ 35.0756, 0.3132,
0.3304

■ 31.8540, 0.3368,
0.4089

■ 36.3603, 0.3054,
0.3078

■ 30.9794, 0.3438,
0.4372

■ 37.7558, 0.2979,
0.2873

■ 30.1980, 0.3496,
0.4651

■ 39.2650, 0.2908,
0.2687

■ 29.5056, 0.3538,
0.4916

■ 40.8909, 0.2841,
0.2520

■ 28.8973, 0.3561,
0.5152

■ 42.6361, 0.2779,
0.2370

■ 28.3680, 0.3561,
0.5349

■ 44.5026, 0.2722,
0.2236

■ 27.9116, 0.3539,
0.5498

■ 45.4206, 0.2773,
0.2251

■ 27.5366, 0.3502,
0.5601

■ 46.3778, 0.2824,
0.2266

Harmonies

Analogous

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



33.8971, 0.3345, 0.3548



33.8971, 0.3212, 0.3550



33.8971, 0.3058, 0.3478

Triad

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



33.8971, 0.3212, 0.3550



33.8971, 0.2842, 0.3097



33.8971, 0.3331, 0.3226

Complementary

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



33.8971, 0.3212, 0.3550



28.6697, 0.3036, 0.3028

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.



33.8971, 0.3191, 0.3113



33.8971, 0.3212, 0.3550



33.8971, 0.2910, 0.3038

Square

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



33.8971, 0.3212, 0.3550



33.8971, 0.2847, 0.3211



33.8971, 0.3037, 0.3044



33.8971, 0.3416, 0.3357

Rectangle

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



33.8971, 0.3212, 0.3550



33.8971, 0.2965, 0.3398



33.8971, 0.3037, 0.3044



33.8971, 0.3289, 0.3185

Sweetspot

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



33.8986, 0.3212, 0.3550



63.1506, 0.3151, 0.3363



31.2079, 0.3298, 0.3394



13.8127, 0.3158, 0.3382



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.



33.8986, 0.3212, 0.3550



61.0217, 0.3233, 0.3618



33.1175, 0.3131, 0.3556



7.5845, 0.3201, 0.3515



21.4780, 0.3508, 0.5596



0.4084, 0.3789, 0.5373

Inverse Universe

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



28.6697, 0.3036, 0.3028



49.3778, 0.3011, 0.2959



29.4864, 0.3121, 0.3035



6.5616, 0.3048, 0.3063



2.8954, 0.1882, 0.0810



0.0759, 0.2346, 0.1066

Previews

White Background



This preview shows how the Yxy color 33.8971, 0.3212, 0.3550 looks on a white background.

Color Contrast Check

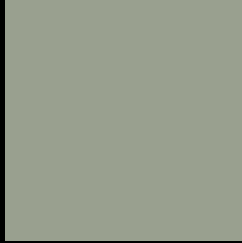
Large Text (above 18pt) WCAG AA × Fail

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 33.8971, 0.3212, 0.3550 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

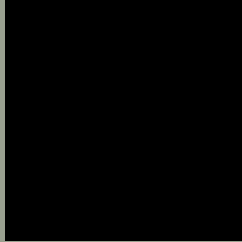
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

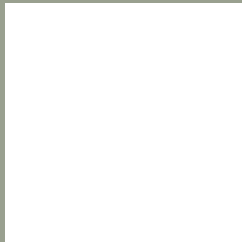
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.8971, 0.3212, 0.3550

Background



This preview shows how black text looks on a background with the Yxy color 33.8971, 0.3212, 0.3550.



This preview shows how white text looks on a background with the Yxy color 33.8971, 0.3212, 0.3550.

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

33.8971, 0.3212, 0.3550

Protanopia

33.9295, 0.3346, 0.3529

Deuteranopia

33.8479, 0.3453, 0.3391



Tritanopia

33.8096, 0.3021, 0.3099

Trichromacy



Original Color

33.8971, 0.3212, 0.3550

Protanomaly

33.8803, 0.3294, 0.3531

Deuteranomaly

33.7811, 0.3362, 0.3452

Tritanomaly

33.7199, 0.3091, 0.3245

Monochromacy



Original Color

33.8971, 0.3212, 0.3550

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

33.3169, 0.3162, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8971, 0.3212, 0.3550 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(153, 160, 143)` looks like.

```
.text, #text, p{  
    color:rgb(153, 160, 143)  
}
```

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(153, 160, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 160, 143) }
```

Border

The CSS property to change the border of an element to Yxy 33.8971, 0.3212, 0.3550 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(153, 160, 143) }
```

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

```
.border{ border-color:rgb(153, 160, 143) }
```

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

Here you see how a box with a 4 pixel rgb(153, 160, 143) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 160, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 160, 143);  
box-shadow:4px 4px 4px 4px rgb(153, 160,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8971, 0.3212, 0.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 160, 143) }
```

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

```
.background{ background-color: rgb(153,  
160, 143) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor