

Converting Colors

$Y_{xy}(33.2975, 0.3592, 0.3943)$

Have a look what the booklet for
Yxy(33.2975, 0.3592, 0.3943)
contains.

Yxy(33.1154, 0.3594, 0.3941)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.1154, 0.3594, 0.3941)

Conversions

Conversions Part 1

Format	Color
Hex	A39D72
RGB	163, 157, 114
RGB Percent	64%, 62%, 45%
CMY	0.3607, 0.3843, 0.5530
CMYK	0.00, 0.04, 0.30, 0.36
HSL	53°, 21%, 54%
HSV	53°, 30%, 64%
XYZ	30.1996, 33.1154, 20.7129
YIQ	153.8920, 17.3790, -12.1010

Conversions

Conversions Part 2

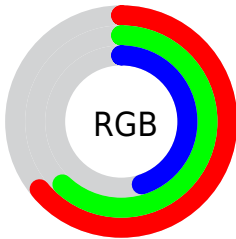
Format	Color
RYB	121, 163, 114
Decimal	10722674
CIELab	64.25, -4.74, 23.34
CIELCh	64, 23.821, 101.472
Yxy	33.1154, 0.3594, 0.3941
Android (android.graphics.Color)	4288912754 (0xFFA39D72)
YUV	153.8920, -19.6668, 7.9877
Hunter-Lab	57.5460, -7.0302, 18.9416

Details

The Yxy color **33.1154, 0.3594, 0.3941** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.6517, 0.2622, 0.2542**, and the grayscale version is **32.3479, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2471, 0.3503, 0.3808**, and **14.0692, 0.3749, 0.4165** is the 20% darker color. If you saturate the color by 10%, you get **32.1073, 0.3755, 0.4155**, and if you desaturate by 10%, it is **34.2037, 0.3433, 0.3721**.

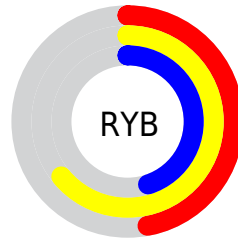
Distribution



Red (64%)

Green (62%)

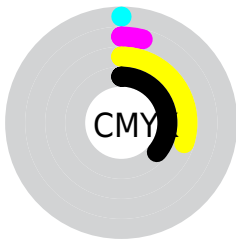
Blue (45%)



Red (47%)

Yellow (64%)

Blue (45%)

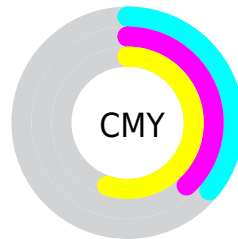


Cyan (0%)

Magenta (4%)

Yellow (30%)

Black (36%)



Cyan (36%)


Magenta (38%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.1154, 0.3594, 0.3941 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 33.1154, 0.3594, 0.3941 by changing the saturation by 10% instead.


 33.1154, 0.3594,
0.3941


 33.1154, 0.3594,
0.3941


316.1694, 0.3352,
0.3595


 22.2149, 0.3656,
0.4033


 64.5557, 0.3504,
0.3811


 14.0149, 0.3737,
0.4155

 85.8642, 0.3471,
0.3763

 8.1310, 0.3844,
0.4321


 111.4108, 0.3443,
0.3724

 4.1789, 0.3989,
0.4560

 141.5799, 0.3419,
0.3690

 1.7741, 0.4479,
0.5266

176.7559, 0.3399,
0.3661

 0.4710, 0.4135,
0.5865

217.3233, 0.3381,

 0.0000, 0.0000,

0.3636

0.0000

263.6663, 0.3365,
0.3615

■ 33.1154, 0.3594,
0.3941

■ 33.1154, 0.3594,
0.3941

■ 32.1073, 0.3755,
0.4155

■ 34.2037, 0.3433,
0.3721

■ 31.1714, 0.3912,
0.4355

■ 35.3711, 0.3277,
0.3503

■ 30.3052, 0.4057,
0.4532


■ 36.6220, 0.3128,
0.3292


■ 29.5045, 0.4185,
0.4676

■ 37.9595, 0.2990,
0.3091


■ 28.7644, 0.4290,
0.4781

■ 39.3863, 0.2862,
0.2903

 28.0791, 0.4368,
0.4842

 40.9050, 0.2745,
0.2728

 27.4404, 0.4424,
0.4869

 42.5181, 0.2638,
0.2568

 44.2280, 0.2542,
0.2421

 45.6650, 0.2486,
0.2342

Harmonies

Analogous

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



33.1154, 0.3824, 0.3770



33.1154, 0.3594, 0.3941



33.1154, 0.3246, 0.3928

Triad

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



33.1154, 0.3594, 0.3941



33.1154, 0.2445, 0.3016



33.1154, 0.3353, 0.2918

Complementary

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



33.1154, 0.3594, 0.3941



19.6517, 0.2622, 0.2542

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.



33.1154, 0.2974, 0.2737



33.1154, 0.3594, 0.3941



33.1154, 0.2468, 0.2775

Square

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



33.1154, 0.3594, 0.3941



33.1154, 0.2590, 0.3361



33.1154, 0.2656, 0.2682



33.1154, 0.3686, 0.3188

Rectangle

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



33.1154, 0.3594, 0.3941



33.1154, 0.2997, 0.3802



33.1154, 0.2656, 0.2682



33.1154, 0.3226, 0.2846

Sweetspot

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



33.1169, 0.3594, 0.3941



63.5328, 0.3263, 0.3483



21.1864, 0.3693, 0.3188



14.2012, 0.3284, 0.3513



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



33.1169, 0.3594, 0.3941



58.0923, 0.3701, 0.4083



33.4369, 0.3386, 0.4070



8.0883, 0.3264, 0.3486



21.3666, 0.4422, 0.4871



0.4878, 0.4329, 0.4945

Inverse Universe

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



19.6517, 0.2622, 0.2542



30.1142, 0.2494, 0.2347



19.5768, 0.2803, 0.2479



6.9934, 0.2987, 0.3087



2.4821, 0.1531, 0.0710



0.0907, 0.1649, 0.1135

Previews

White Background



This preview shows how the Yxy color 33.1154, 0.3594, 0.3941 looks on a white background.

Color Contrast Check

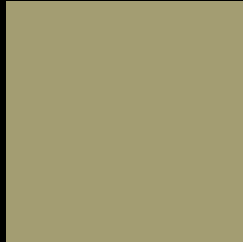
Large Text (above 18pt) WCAG AA × Fail

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 33.1154, 0.3594, 0.3941 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

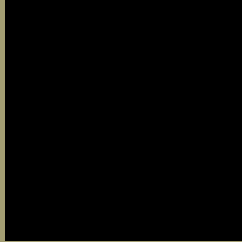
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.1154, 0.3594, 0.3941

Background



This preview shows how black text looks on a background with the Yxy color 33.1154, 0.3594, 0.3941.



This preview shows how white text looks on a background with the Yxy color 33.1154, 0.3594, 0.3941.

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

33.1154, 0.3594, 0.3941

Protanopia

33.1847, 0.3650, 0.3932

Deuteranopia

32.9462, 0.3838, 0.3756



Tritanopia

33.1769, 0.3205, 0.3132

Trichromacy



Original Color

33.1154, 0.3594, 0.3941

Protanomaly

33.0762, 0.3639, 0.3935

Deuteranomaly

32.9244, 0.3746, 0.3827

Tritanomaly

33.0423, 0.3346, 0.3409

Monochromacy



Original Color

33.1154, 0.3594, 0.3941

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

32.4749, 0.3297, 0.3535

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.1154, 0.3594, 0.3941 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(163, 157, 114)` looks like.

```
.text, #text, p{  
    color:rgb(163, 157, 114)  
}
```

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(163, 157, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 157, 114) }
```

Border

The CSS property to change the border of an element to Yxy 33.1154, 0.3594, 0.3941 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(163, 157, 114) }
```

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

```
.border{ border-color:rgb(163, 157, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 157, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 157, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 157, 114);  
box-shadow:4px 4px 4px 4px rgb(163, 157,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 33.1154, 0.3594, 0.3941 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 157, 114) }
```

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

```
.background{ background-color: rgb(163,  
157, 114) }
```

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