

Converting Colors

$Yxy(33.7742, 0.3334, 0.3321)$

Have a look what the booklet for
Yxy(33.7742, 0.3334, 0.3321)
contains.

| | |
|---|----|
| Yxy(33.7875, 0.3339, 0.3319) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(33.7875, 0.3339, 0.3319)

Conversions

Conversions Part 1

| Format | Color |
|---------------|---------------------------|
| Hex | AC9997 |
| RGB | 172, 153, 151 |
| RGB Percent | 67%, 60%, 59% |
| CMY | 0.3255, 0.4000, 0.4077 |
| CMYK | 0.00, 0.11, 0.12, 0.33 |
| HSL | 6°, 11%, 63% |
| HSV | 6°, 12%, 67% |
| XYZ | 33.9911, 33.7875, 34.0216 |
| YIQ | 158.4530, 11.9660, 3.4060 |

Conversions

Conversions Part 2

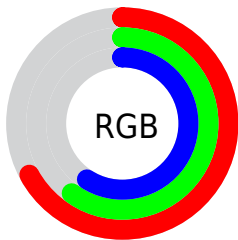
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 172, 153, 151 |
| Decimal | 11311511 |
| CIELab | 64.79, 6.66, 3.58 |
| CIElCh | 65, 7.561, 28.297 |
| Yxy | 33.7875, 0.3339, 0.3319 |
| Android (android.graphics.Color) | 4289501591 (0xFFAC9997) |
| YUV | 158.4530, -3.6743, 11.8807 |
| Hunter-Lab | 58.1270, 2.6597, 5.9866 |

Details

The Yxy color **33.7875, 0.3339, 0.3319** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.3180, 0.2944, 0.3261**, and the grayscale version is **34.4226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5274, 0.3302, 0.3313**, and **14.4159, 0.3420, 0.3331** is the 20% darker color. If you saturate the color by 10%, you get **28.4981, 0.3557, 0.3345**, and if you desaturate by 10%, it is **39.8275, 0.3161, 0.3295**.

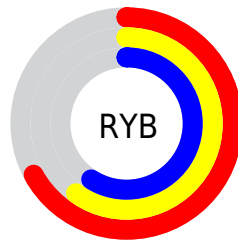
Distribution



Red (67%)

Green (60%)

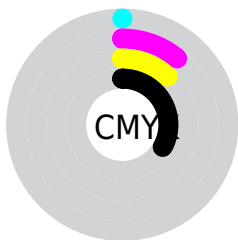
Blue (59%)



Red (67%)

Yellow (60%)

Blue (59%)

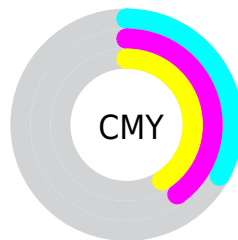


Cyan (0%)

Magenta (11%)

Yellow (12%)

Black (33%)



Cyan (33%)


Magenta (40%)


Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7875, 0.3339, 0.3319 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 33.7875, 0.3339, 0.3319 by changing the saturation by 10% instead.


 33.7875, 0.3339,
0.3319


 33.7875, 0.3339,
0.3319


319.1835, 0.3227,
0.3305

 22.7304, 0.3369,
0.3323


 65.6031, 0.3297,
0.3314

 14.3946, 0.3409,
0.3327


 87.1303, 0.3281,
0.3312

 8.3956, 0.3466,
0.3333


112.9165, 0.3268,
0.3310

 4.3491, 0.3550,
0.3341

143.3458, 0.3258,
0.3309

 1.8707, 0.3689,
0.3352

178.8028, 0.3248,
0.3308

 0.5307, 0.4374,
0.3480

219.6718, 0.3240,


 0.0000, 0.0000,

0.3306

0.0000


266.3372, 0.3233,
0.3305

 33.7875, 0.3339,
0.3319


 33.7875, 0.3339,
0.3319


 28.4981, 0.3557,
0.3345


 39.8275, 0.3161,
0.3295


 23.9256, 0.3824,
0.3371


 46.6412, 0.3017,
0.3273


 20.0406, 0.4147,
0.3397

 54.2561, 0.2898,
0.3253

 16.8098, 0.4527,
0.3419

 62.6971, 0.2801,
0.3235

 14.1971, 0.4955,
0.3433

 71.9881, 0.2721,
0.3218

■ 12.1630, 0.5403,
0.3435

■ 82.1519, 0.2654,
0.3204

■ 10.6633, 0.5820,
0.3419

■ 87.5098, 0.2661,
0.3289

■ 9.6473, 0.6146,
0.3386

■ 9.1457, 0.6322,
0.3362

Harmonies

Analogous

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



33.7875, 0.3262, 0.3218



33.7875, 0.3339, 0.3319



33.7875, 0.3358, 0.3415

Triad

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



33.7875, 0.3339, 0.3319



33.7875, 0.3102, 0.3452



33.7875, 0.2942, 0.3101

Complementary

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



33.7875, 0.3339, 0.3319



38.3180, 0.2944, 0.3261

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.



33.7875, 0.2901, 0.3160



33.7875, 0.3339, 0.3319



33.7875, 0.2993, 0.3363

Square

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



33.7875, 0.3339, 0.3319



33.7875, 0.3220, 0.3495



33.7875, 0.2920, 0.3255



33.7875, 0.3032, 0.3093

Rectangle

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



33.7875, 0.3339, 0.3319



33.7875, 0.3335, 0.3463



33.7875, 0.2920, 0.3255



33.7875, 0.2922, 0.3115

Sweetspot

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



33.7890, 0.3339, 0.3319



70.0887, 0.3192, 0.3299



33.8251, 0.3157, 0.3020



15.0508, 0.3204, 0.3301



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



33.7890, 0.3339, 0.3319



58.2032, 0.3402, 0.3327



37.2917, 0.3321, 0.3464



8.1320, 0.3284, 0.3312



6.8450, 0.6312, 0.3370



0.2284, 0.5978, 0.3635

Inverse Universe

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



38.3180, 0.2944, 0.3261



68.2828, 0.2899, 0.3253



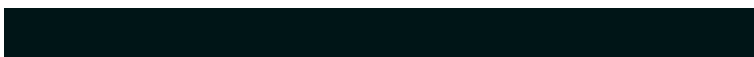
34.6212, 0.2941, 0.3109



8.9413, 0.2986, 0.3268



19.9091, 0.2166, 0.2997



0.5904, 0.2193, 0.3093

Previews

White Background



This preview shows how the Yxy color 33.7875, 0.3339, 0.3319 looks on a white background.

Color Contrast Check

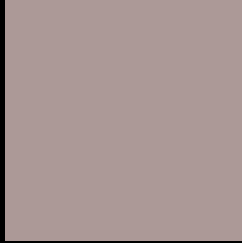
Large Text (above 18pt) WCAG AA × Fail

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 33.7875, 0.3339, 0.3319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

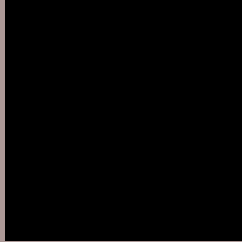
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7875, 0.3339, 0.3319

Background



This preview shows how black text looks on a background with the Yxy color 33.7875, 0.3339, 0.3319.



This preview shows how white text looks on a background with the Yxy color 33.7875, 0.3339, 0.3319.

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

33.7875, 0.3339, 0.3319

Protanopia

33.9909, 0.3203, 0.3350

Deuteranopia

33.8048, 0.3372, 0.3305



Tritanopia

33.7762, 0.3246, 0.3121

Trichromacy



Original Color

33.7875, 0.3339, 0.3319

Protanomaly

34.0433, 0.3254, 0.3349

Deuteranomaly

33.6895, 0.3362, 0.3305

Tritanomaly

33.8439, 0.3273, 0.3191

Monochromacy



Original Color

33.7875, 0.3339, 0.3319

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.9300, 0.3206, 0.3305

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7875, 0.3339, 0.3319 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(172, 153, 151)` looks like.

```
.text, #text, p{  
    color:rgb(172, 153, 151)  
}
```

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(172, 153, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 153, 151) }
```

Border

The CSS property to change the border of an element to Yxy 33.7875, 0.3339, 0.3319 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(172, 153, 151) }
```

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

```
.border{ border-color:rgb(172, 153, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 153, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 153, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 153, 151);  
box-shadow:4px 4px 4px 4px rgb(172, 153,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7875, 0.3339, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 153, 151) }
```

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

```
.background{ background-color: rgb(172,  
153, 151) }
```

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