

Converting Colors

$Y_{xy}(33.6900, 0.3272, 0.3229)$

Have a look what the booklet for
Yxy(33.6900, 0.3272, 0.3229)
contains.

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Color

Yxy(33.8747, 0.3271, 0.3233)

Conversions

Conversions Part 1

Format	Color
Hex	AB999D
RGB	171, 153, 157
RGB Percent	67%, 60%, 62%
CMY	0.3294, 0.4000, 0.3843
CMYK	0.00, 0.11, 0.08, 0.33
HSL	347°, 10%, 64%
HSV	347°, 11%, 67%
XYZ	34.2729, 33.8747, 36.6304
YIQ	158.8380, 9.4440, 5.0600

Conversions

Conversions Part 2

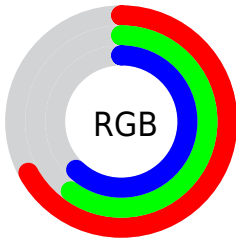
Format	Color
RYB	171, 153, 157
Decimal	11245981
CIELab	64.86, 7.34, 0.32
CIElCh	65, 7.343, 2.498
Yxy	33.8747, 0.3271, 0.3233
Android (android.graphics.Color)	4289436061 (0xFFAB999D)
YUV	158.8380, -0.9061, 10.6661
Hunter-Lab	58.2020, 3.2582, 3.4263

Details

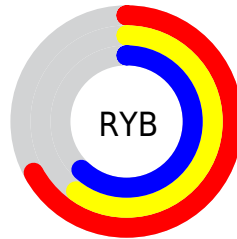
The Yxy color **33.8747, 0.3271, 0.3233** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.6918, 0.3000, 0.3348**, and the grayscale version is **34.5952, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5479, 0.3236, 0.3235**, and **14.4653, 0.3320, 0.3210** is the 20% darker color. If you saturate the color by 10%, you get **28.2436, 0.3440, 0.3175**, and if you desaturate by 10%, it is **40.3605, 0.3134, 0.3287**.

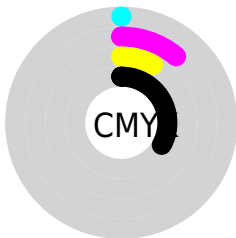
Distribution



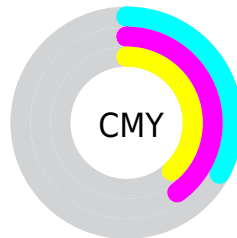
- Red (67%)
- Green (60%)
- Blue (62%)



- Red (67%)
- Yellow (60%)
- Blue (62%)



- Cyan (0%)
- Magenta (11%)
- Yellow (8%)
- Black (33%)




- Cyan (33%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.8747, 0.3271, 0.3233 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 33.8747, 0.3271, 0.3233 by changing the saturation by 10% instead.


 33.8747, 0.3271,
0.3233

 33.8747, 0.3271,
0.3233


319.5730, 0.3195,
0.3263

 22.7974, 0.3291,
0.3225


 65.7388, 0.3242,
0.3244

 14.4439, 0.3318,
0.3214


 87.2943, 0.3232,
0.3249

 8.4301, 0.3356,
0.3199


113.1113, 0.3223,
0.3252

 4.3714, 0.3412,
0.3176

143.5743, 0.3216,
0.3255

 1.8834, 0.3505,
0.3139

179.0675, 0.3210,
0.3257

 0.5384, 0.3853,
0.3003

219.9754, 0.3204,

 0.0000, 0.0000,

0.3260

0.0000

266.6825, 0.3199,
0.3262

■ 33.8747, 0.3271,
0.3233

■ 33.8747, 0.3271,
0.3233

■ 28.2436, 0.3440,
0.3175

■ 40.3605, 0.3134,
0.3287

■ 23.4273, 0.3648,
0.3116

■ 47.7300, 0.3022,
0.3337

■ 19.3891, 0.3900,
0.3057

■ 56.0163, 0.2931,
0.3383

■ 16.0880, 0.4202,
0.3004

■ 65.2495, 0.2857,
0.3425

■ 13.4791, 0.4552,
0.2964

■ 75.4583, 0.2795,
0.3463

■ 11.5126, 0.4939,
0.2946

■ 86.2826, 0.2744,
0.3491

■ 10.1319, 0.5338,
0.2960

■ 87.0885, 0.2680,
0.3342

■ 9.2706, 0.5707,
0.3011

■ 87.3989, 0.2657,
0.3289

■ 8.7987, 0.6001,
0.3080

Harmonies

Analogous

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



33.8747, 0.3165, 0.3150



33.8747, 0.3271, 0.3233



33.8747, 0.3339, 0.3332

Triad

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



33.8747, 0.3271, 0.3233



33.8747, 0.3202, 0.3486



33.8747, 0.2910, 0.3153

Complementary

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



33.8747, 0.3271, 0.3233



38.6918, 0.3000, 0.3348

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.



33.8747, 0.2920, 0.3242



33.8747, 0.3271, 0.3233



33.8747, 0.3087, 0.3437

Square

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



33.8747, 0.3271, 0.3233



33.8747, 0.3298, 0.3480



33.8747, 0.2984, 0.3347



33.8747, 0.2957, 0.3103

Rectangle

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



33.8747, 0.3271, 0.3233



33.8747, 0.3353, 0.3395



33.8747, 0.2984, 0.3347



33.8747, 0.2907, 0.3179

Sweetspot

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



33.8762, 0.3271, 0.3233



69.1987, 0.3166, 0.3274



33.9180, 0.3098, 0.3034



15.2202, 0.3176, 0.3270



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.



33.8762, 0.3271, 0.3233



57.7929, 0.3313, 0.3218



35.3455, 0.3302, 0.3359



8.0434, 0.3253, 0.3240



6.6390, 0.5978, 0.3067



0.1927, 0.5162, 0.2617

Inverse Universe

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



33.8762, 0.3271, 0.3233



57.7929, 0.3313, 0.3218



37.0607, 0.2968, 0.3220



8.0434, 0.3253, 0.3240



6.6390, 0.5978, 0.3067



0.1927, 0.5162, 0.2617

Previews

White Background



This preview shows how the Yxy color 33.8747, 0.3271, 0.3233 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 33.8747, 0.3271, 0.3233 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 33.8747, 0.3271, 0.3233

Background



This preview shows how black text looks on a background with the Yxy color 33.8747, 0.3271, 0.3233.



This preview shows how white text looks on a background with the Yxy color 33.8747, 0.3271, 0.3233.

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

33.8747, 0.3271, 0.3233

Protanopia

34.0907, 0.3138, 0.3261

Deuteranopia

33.7750, 0.3293, 0.3219



Tritanopia

33.9075, 0.3215, 0.3120

Trichromacy



Original Color

33.8747, 0.3271, 0.3233

Protanomaly

34.1381, 0.3188, 0.3261

Deuteranomaly

33.6615, 0.3283, 0.3219

Tritanomaly

33.8003, 0.3244, 0.3162

Monochromacy



Original Color

33.8747, 0.3271, 0.3233

Achromatopsia

34.6704, 0.3127, 0.3290

Achromatomaly

34.3691, 0.3177, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.8747, 0.3271, 0.3233 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(171, 153, 157)` looks like.

```
.text, #text, p{  
    color:rgb(171, 153, 157)  
}
```

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(171, 153, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 153, 157) }
```

Border

The CSS property to change the border of an element to Yxy 33.8747, 0.3271, 0.3233 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(171, 153, 157) }
```

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

```
.border{ border-color:rgb(171, 153, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 153, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 153, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 153, 157); box-shadow:4px 4px 4px 4px rgb(171, 153, 157) }
```


Background

The CSS property to change the background color of an element to Yxy 33.8747, 0.3271, 0.3233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 153, 157) }
```

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

```
.background{ background-color: rgb(171,  
153, 157) }
```

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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