

Converting Colors

$Yxy(33.7345, 0.3039, 0.3129)$

Have a look what the booklet for
Yxy(33.7345, 0.3039, 0.3129)
contains.

Yxy(33.7351, 0.3038, 0.3128)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.7351, 0.3038, 0.3128)

Conversions

Conversions Part 1

Format	Color
Hex	9D9CA7
RGB	157, 156, 167
RGB Percent	62%, 61%, 65%
CMY	0.3844, 0.3882, 0.3451
CMYK	0.06, 0.07, 0.00, 0.35
HSL	245°, 6%, 63%
HSV	245°, 7%, 65%
XYZ	32.7645, 33.7351, 41.3492
YIQ	157.5530, -2.9350, 3.6330

Conversions

Conversions Part 2

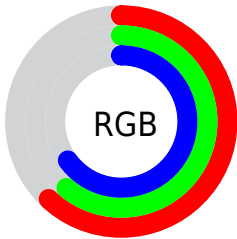
Format	Color
R _Y B	157, 156, 167
Decimal	10329255
CIE Lab	64.75, 2.52, -5.61
CIE LCh	65, 6.144, 294.171
Yxy	33.7351, 0.3038, 0.3128
Android (android.graphics.Color)	4288519335 (0xFF9D9CA7)
YUV	157.5530, 4.6574, -0.4850
Hunter-Lab	58.0819, -0.9501, -1.5519

Details

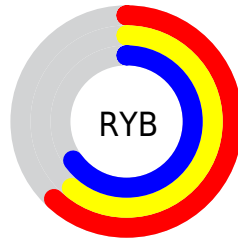
The Yxy color **33.7351, 0.3038, 0.3128** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.1554, 0.3213, 0.3448**, and the grayscale version is **33.9579, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.3642, 0.3060, 0.3156**, and **14.4051, 0.3014, 0.3081** is the 20% darker color. If you saturate the color by 10%, you get **27.0722, 0.2887, 0.2856**, and if you desaturate by 10%, it is **41.3630, 0.3170, 0.3369**.

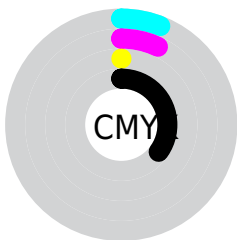
Distribution



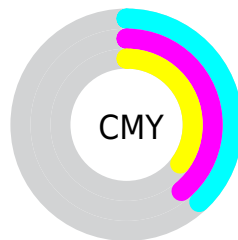
- Red (62%)
- Green (61%)
- Blue (65%)



- Red (62%)
- Yellow (61%)
- Blue (65%)



- Cyan (6%)
- Magenta (7%)
- Yellow (0%)
- Black (35%)





- Cyan (38%)
- Magenta (39%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.7351, 0.3038, 0.3128 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 33.7351, 0.3038, 0.3128 by changing the saturation by 10% instead.


 33.7351, 0.3038,
0.3128


 33.7351, 0.3038,
0.3128


318.9493, 0.3085,
0.3213

 22.6902, 0.3025,
0.3105


 65.5215, 0.3056,
0.3160

 14.3649, 0.3008,
0.3076


 87.0318, 0.3062,
0.3171

 8.3749, 0.2985,
0.3035


112.7993, 0.3068,
0.3181

 4.3358, 0.2950,
0.2974

143.2085, 0.3072,
0.3189

 1.8631, 0.2892,
0.2876

178.6436, 0.3076,
0.3197

 0.5260, 0.2736,
0.2563

219.4892, 0.3080,

 0.0000, 0.0000,

0.3203

0.0000

266.1296, 0.3083,
0.3208

■ 33.7351, 0.3038,
0.3128

■ 33.7351, 0.3038,
0.3128

■ 27.0722, 0.2887,
0.2856

■ 41.3630, 0.3170,
0.3369

■ 21.3317, 0.2717,
0.2555

■ 49.9876, 0.3285,
0.3579

■ 16.4741, 0.2530,
0.2228

■ 59.6447, 0.3383,
0.3763

■ 12.4557, 0.2331,
0.1887

■ 70.3668, 0.3467,
0.3921

■ 9.2286, 0.2130,
0.1548

■ 82.1852, 0.3539,
0.4058

■ 6.7405, 0.1939,
0.1234

■ 94.3493, 0.3604,
0.4167

■ 4.9326, 0.1771,
0.0967

■ 95.5705, 0.3649,
0.4153

■ 3.7371, 0.1640,
0.0769

■ 3.0603, 0.1553,
0.0649

Harmonies

Analogous

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



33.7351, 0.2969, 0.3141



33.7351, 0.3038, 0.3128



33.7351, 0.3132, 0.3157

Triad

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



33.7351, 0.3038, 0.3128



33.7351, 0.3316, 0.3383



33.7351, 0.3029, 0.3361

Complementary

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



33.7351, 0.3038, 0.3128



38.1554, 0.3213, 0.3448

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.



33.7351, 0.3121, 0.3428



33.7351, 0.3038, 0.3128



33.7351, 0.3287, 0.3440

Square

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



33.7351, 0.3038, 0.3128



33.7351, 0.3293, 0.3303



33.7351, 0.3215, 0.3457



33.7351, 0.2964, 0.3274

Rectangle

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



33.7351, 0.3038, 0.3128



33.7351, 0.3196, 0.3197



33.7351, 0.3215, 0.3457



33.7351, 0.3058, 0.3387

Sweetspot

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



33.7365, 0.3038, 0.3128



66.4066, 0.3100, 0.3241



37.1667, 0.3027, 0.3276



14.8952, 0.3102, 0.3244



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



33.7365, 0.3038, 0.3128



58.4390, 0.3016, 0.3088



34.2978, 0.3090, 0.3131



7.3306, 0.2999, 0.3058



2.2196, 0.1535, 0.0619



0.0634, 0.1689, 0.0704

Inverse Universe

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



34.7529, 0.3143, 0.3146



60.6678, 0.3147, 0.3112



37.5777, 0.3162, 0.3450



7.6552, 0.3150, 0.3086



8.0364, 0.3437, 0.1667



0.1987, 0.3353, 0.1621

Previews

White Background



This preview shows how the Yxy color 33.7351, 0.3038, 0.3128 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 33.7351, 0.3038, 0.3128 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

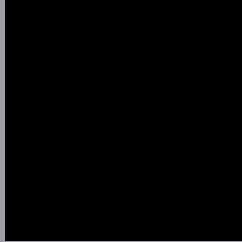
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

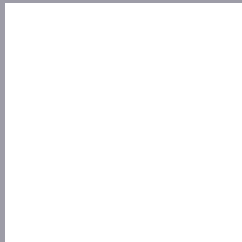
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7351, 0.3038, 0.3128

Background



This preview shows how black text looks on a background with the Yxy color 33.7351, 0.3038, 0.3128.



This preview shows how white text looks on a background with the Yxy color 33.7351, 0.3038, 0.3128.

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

33.7351, 0.3038, 0.3128

Protanopia

33.7351, 0.3038, 0.3128

Deuteranopia

33.4991, 0.3128, 0.3061



Tritanopia

33.7722, 0.3030, 0.3114

Trichromacy



Original Color

33.7351, 0.3038, 0.3128

Protanomaly

33.7351, 0.3038, 0.3128

Deuteranomaly

33.3961, 0.3088, 0.3073

Tritanomaly

33.7722, 0.3030, 0.3114

Monochromacy



Original Color

33.7351, 0.3038, 0.3128

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.9563, 0.3101, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7351, 0.3038, 0.3128 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(157, 156, 167)` looks like.

```
.text, #text, p{  
    color:rgb(157, 156, 167)  
}
```

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(157, 156, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 156, 167) }
```

Border

The CSS property to change the border of an element to Yxy 33.7351, 0.3038, 0.3128 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(157, 156, 167) }
```

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

```
.border{ border-color:rgb(157, 156, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 156, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 156, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 156, 167);  
box-shadow:4px 4px 4px 4px rgb(157, 156,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7351, 0.3038, 0.3128 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 156, 167) }
```

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

```
.background{ background-color: rgb(157,  
156, 167) }
```

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