

Converting Colors

$Y_{xy}(32.9580, 0.3142, 0.2976)$

Have a look what the booklet for
Yxy(32.9580, 0.3142, 0.2976)
contains.

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Color

Yxy(33.0931, 0.3142, 0.2980)

Conversions

Conversions Part 1

Format	Color
Hex	AB95AB
RGB	171, 149, 171
RGB Percent	67%, 58%, 67%
CMY	0.3294, 0.4157, 0.3295
CMYK	0.00, 0.13, 0.00, 0.33
HSL	300°, 12%, 63%
HSV	300°, 13%, 67%
XYZ	34.8921, 33.0931, 43.0655
YIQ	158.0860, 6.0500, 11.5060

Conversions

Conversions Part 2

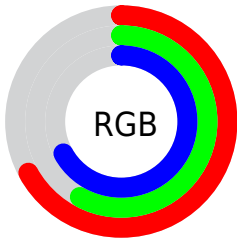
Format	Color
RYB	171, 149, 171
Decimal	11244971
CIELab	64.24, 12.17, -8.47
CIELCh	64, 14.826, 325.156
Yxy	33.0931, 0.3142, 0.2980
Android (android.graphics.Color)	4289435051 (0xFFAB95AB)
YUV	158.0860, 6.3666, 11.3256
Hunter-Lab	57.5266, 7.5956, -4.1169

Details

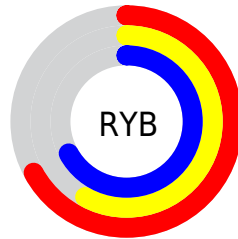
The Yxy color **33.0931, 0.3142, 0.2980** is a light color, and the websafe version is hex **999999**. A complement of this color would be **37.6898, 0.3111, 0.3621**, and the grayscale version is **34.2022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.3716, 0.3139, 0.3041**, and **13.9892, 0.3147, 0.2876** is the 20% darker color. If you saturate the color by 10%, you get **28.0738, 0.3154, 0.2734**, and if you desaturate by 10%, it is **38.9098, 0.3130, 0.3222**.

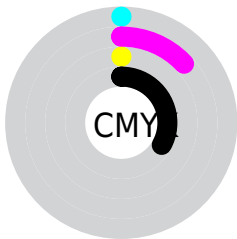
Distribution



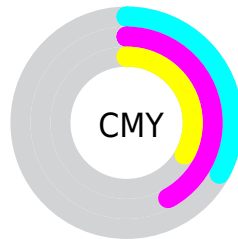
- Red (67%)
- Green (58%)
- Blue (67%)



- Red (67%)
- Yellow (58%)
- Blue (67%)



- Cyan (0%)
- Magenta (13%)
- Yellow (0%)
- Black (33%)





- Cyan (33%)
- Magenta (42%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0931, 0.3142, 0.2980 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 33.0931, 0.3142, 0.2980 by changing the saturation by 10% instead.


 33.0931, 0.3142,
0.2980


 33.0931, 0.3142,
0.2980


316.0690, 0.3136,
0.3140

 22.1978, 0.3143,
0.2938


 64.5209, 0.3140,
0.3040

 14.0023, 0.3144,
0.2883


 85.8221, 0.3139,
0.3062

 8.1223, 0.3145,
0.2809


111.3607, 0.3138,
0.3080

 4.1733, 0.3146,
0.2700

141.5212, 0.3138,
0.3096

 1.7710, 0.3143,
0.2530

176.6878, 0.3137,
0.3109

 0.4690, 0.3200,
0.2020

217.2451, 0.3137,

 0.0000, 0.0000,

0.3121

0.0000

263.5774, 0.3136,
0.3131

■ 33.0931, 0.3142,
0.2980

■ 33.0931, 0.3142,
0.2980

■ 28.0738, 0.3154,
0.2734

■ 38.9098, 0.3130,
0.3222

■ 23.8130, 0.3165,
0.2492

■ 45.5520, 0.3119,
0.3455

■ 20.2753, 0.3177,
0.2262

■ 53.0517, 0.3109,
0.3675

■ 17.4205, 0.3187,
0.2052

■ 61.4378, 0.3099,
0.3880

■ 15.2046, 0.3196,
0.1873

■ 70.7381, 0.3090,
0.4069

■ 13.5784, 0.3203,
0.1731

■ 80.9791, 0.3082,
0.4241

■ 12.4856, 0.3208,
0.1630

■ 83.1244, 0.3080,
0.4273

■ 11.8591, 0.3211,
0.1570

■ 83.1253, 0.3080,
0.4273

■ 11.5907, 0.3213,
0.1543

■ 83.1262, 0.3080,
0.4273

Harmonies

Analogous

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



33.0931, 0.2916, 0.2906



33.0931, 0.3142, 0.2980



33.0931, 0.3371, 0.3129

Triad

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



33.0931, 0.3142, 0.2980



33.0931, 0.3511, 0.3654



33.0931, 0.2733, 0.3238

Complementary

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



33.0931, 0.3142, 0.2980



37.6898, 0.3111, 0.3621

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.



33.0931, 0.2882, 0.3456



33.0931, 0.3142, 0.2980



33.0931, 0.3330, 0.3702

Square

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



33.0931, 0.3142, 0.2980



33.0931, 0.3588, 0.3511



33.0931, 0.3099, 0.3630



33.0931, 0.2686, 0.3045

Rectangle

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



33.0931, 0.3142, 0.2980



33.0931, 0.3493, 0.3254



33.0931, 0.3099, 0.3630



33.0931, 0.2772, 0.3311

Sweetspot

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



33.0945, 0.3142, 0.2980



68.3476, 0.3132, 0.3193



30.8268, 0.2927, 0.2959



15.0621, 0.3133, 0.3176



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.



33.0945, 0.3142, 0.2980



56.9810, 0.3145, 0.2921



32.6934, 0.3247, 0.3132



8.1479, 0.3138, 0.3067



8.7368, 0.3212, 0.1543



0.2431, 0.3211, 0.1543

Inverse Universe

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



33.0945, 0.3142, 0.2980



56.9810, 0.3145, 0.2921



38.0571, 0.3022, 0.3453



8.1479, 0.3138, 0.3067



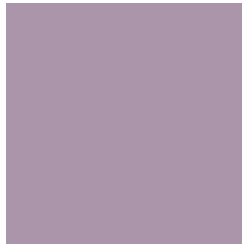
8.7368, 0.3212, 0.1543



0.2431, 0.3211, 0.1543

Previews

White Background



This preview shows how the Yxy color 33.0931, 0.3142, 0.2980 looks on a white background.

Color Contrast Check

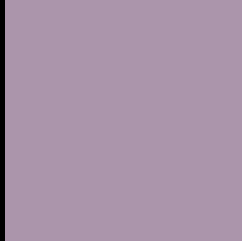
Large Text (above 18pt) WCAG AA × Fail

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 33.0931, 0.3142, 0.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

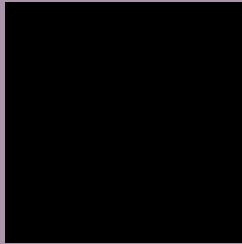
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.0931, 0.3142, 0.2980

Background



This preview shows how black text looks on a background with the Yxy color 33.0931, 0.3142, 0.2980.



This preview shows how white text looks on a background with the Yxy color 33.0931, 0.3142, 0.2980.

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

33.0931, 0.3142, 0.2980

Protanopia

33.3101, 0.2932, 0.2996

Deuteranopia

33.2513, 0.3080, 0.3031



Tritanopia

32.9674, 0.3216, 0.3118

Trichromacy



Original Color

33.0931, 0.3142, 0.2980

Protanomaly

33.3120, 0.3006, 0.2986

Deuteranomaly

33.2510, 0.3110, 0.3019

Tritanomaly

33.0754, 0.3188, 0.3076

Monochromacy



Original Color

33.0931, 0.3142, 0.2980

Achromatopsia

34.1914, 0.3127, 0.3290

Achromatomaly

33.8736, 0.3133, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0931, 0.3142, 0.2980 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, 149, 171)` looks like.

```
.text, #text, p{  
    color:rgb(171, 149, 171)  
}
```

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, 149, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 149, 171) }
```

Border

The CSS property to change the border of an element to Yxy 33.0931, 0.3142, 0.2980 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, 149, 171) }
```

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

```
.border{ border-color:rgb(171, 149, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 149, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 149, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 149, 171);  
box-shadow:4px 4px 4px 4px rgb(171, 149,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0931, 0.3142, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 149, 171) }
```

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

```
.background{ background-color: rgb(171,  
149, 171) }
```

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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