

Converting Colors

$Y_{xy}(27.6718, 0.3250, 0.2940)$

Have a look what the booklet for
Yxy(27.6718, 0.3250, 0.2940)
contains.

Yxy(27.7343, 0.3243, 0.2936)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.7343, 0.3243, 0.2936)

Conversions

Conversions Part 1

Format	Color
Hex	A7869E
RGB	167, 134, 158
RGB Percent	65%, 53%, 62%
CMY	0.3451, 0.4745, 0.3803
CMYK	0.00, 0.20, 0.05, 0.35
HSL	316°, 16%, 59%
HSV	316°, 20%, 65%
XYZ	30.6343, 27.7343, 36.0943
YIQ	146.6030, 11.9640, 14.4600

Conversions

Conversions Part 2

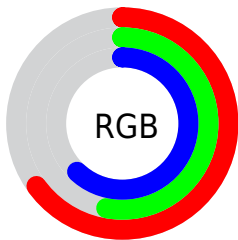
Format	Color
RYB	167, 134, 158
Decimal	10978974
CIELab	59.65, 16.75, -7.99
CIELCh	60, 18.555, 334.495
Yxy	27.7343, 0.3243, 0.2936
Android (android.graphics.Color)	4289169054 (0xFFA7869E)
YUV	146.6030, 5.6187, 17.8882
Hunter-Lab	52.6634, 11.6727, -3.7717

Details

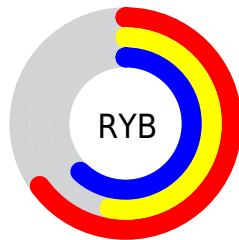
The Yxy color **27.7343, 0.3243, 0.2936** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **34.6892, 0.3028, 0.3672**, and the grayscale version is **28.9789, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8743, 0.3215, 0.2998**, and **11.0470, 0.3281, 0.2811** is the 20% darker color. If you saturate the color by 10%, you get **23.3241, 0.3316, 0.2750**, and if you desaturate by 10%, it is **32.8817, 0.3180, 0.3119**.

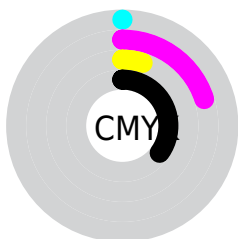
Distribution



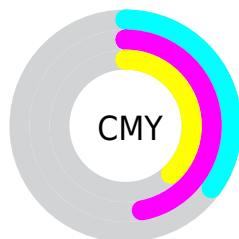
- Red (65%)
- Green (53%)
- Blue (62%)



- Red (65%)
- Yellow (53%)
- Blue (62%)



- Cyan (0%)
- Magenta (20%)
- Yellow (5%)
- Black (35%)





- Cyan (35%)
- Magenta (47%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7343, 0.3243, 0.2936 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 27.7343, 0.3243, 0.2936 by changing the saturation by 10% instead.


 27.7343, 0.3243,
0.2936


 27.7343, 0.3243,
0.2936


291.1951, 0.3182,
0.3123


 18.1255, 0.3259,
0.2886


 56.0600, 0.3220,
0.3007

 11.0401, 0.3280,
0.2819


 75.5456, 0.3212,
0.3032

 6.0938, 0.3309,
0.2725


 99.0922, 0.3205,
0.3054

 2.9022, 0.3352,
0.2586

127.0843, 0.3199,
0.3072

 1.0809, 0.3420,
0.2357

159.9063, 0.3194,
0.3088

 0.0000, 0.4187,
0.0000

197.9425, 0.3190,

 0.0000, 0.0000,

0.3101

0.0000

241.5773, 0.3186,
0.3113

■ 27.7343, 0.3243,
0.2936

■ 27.7343, 0.3243,
0.2936

■ 23.3241, 0.3316,
0.2750

■ 32.8817, 0.3180,
0.3119

■ 19.6133, 0.3399,
0.2567

■ 38.7947, 0.3126,
0.3294

■ 16.5662, 0.3492,
0.2394

■ 45.5044, 0.3080,
0.3460

■ 14.1424, 0.3594,
0.2241

■ 53.0394, 0.3042,
0.3615

■ 12.2973, 0.3702,
0.2118

■ 61.4266, 0.3009,
0.3758

■ 10.9800, 0.3813,
0.2034

■ 70.6919, 0.2982,
0.3890

■ 10.1311, 0.3924,
0.1996

■ 80.8600, 0.2960,
0.4010

■ 9.6208, 0.4033,
0.1997

■ 83.6481, 0.2937,
0.3997

■ 9.6094, 0.4036,
0.1997

■ 83.8561, 0.2914,
0.3941

Harmonies

Analogous

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



27.7343, 0.2933, 0.2806



27.7343, 0.3243, 0.2936



27.7343, 0.3533, 0.3150

Triad

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



27.7343, 0.3243, 0.2936



27.7343, 0.3571, 0.3808



27.7343, 0.2574, 0.3128

Complementary

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



27.7343, 0.3243, 0.2936



34.6892, 0.3028, 0.3672

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.



27.7343, 0.2729, 0.3421



27.7343, 0.3243, 0.2936



27.7343, 0.3300, 0.3831

Square

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



27.7343, 0.3243, 0.2936



27.7343, 0.3726, 0.3646



27.7343, 0.2992, 0.3687



27.7343, 0.2560, 0.2901

Rectangle

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



27.7343, 0.3243, 0.2936



27.7343, 0.3670, 0.3319



27.7343, 0.2992, 0.3687



27.7343, 0.2611, 0.3222

Sweetspot

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



27.7355, 0.3243, 0.2936



62.5928, 0.3159, 0.3184



25.6626, 0.2895, 0.2773



13.8637, 0.3163, 0.3173



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.



27.7355, 0.3243, 0.2936



45.8186, 0.3276, 0.2849



27.2103, 0.3421, 0.3175



7.6312, 0.3177, 0.3127



7.3616, 0.4026, 0.1991



0.1870, 0.3703, 0.1814

Inverse Universe

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



27.7355, 0.3243, 0.2936



45.8186, 0.3276, 0.2849



35.2202, 0.2897, 0.3409



7.6312, 0.3177, 0.3127



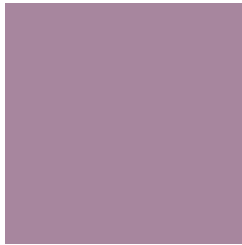
7.3616, 0.4026, 0.1991



0.1870, 0.3703, 0.1814

Previews

White Background



This preview shows how the Yxy color 27.7343, 0.3243, 0.2936 looks on a white background.

Color Contrast Check

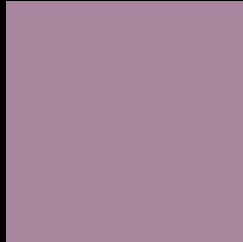
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7343, 0.3243, 0.2936 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

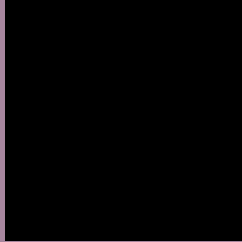
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7343, 0.3243, 0.2936

Background



This preview shows how black text looks on a background with the Yxy color 27.7343, 0.3243, 0.2936.



This preview shows how white text looks on a background with the Yxy color 27.7343, 0.3243, 0.2936.

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

27.7343, 0.3243, 0.2936

Protanopia

27.9880, 0.2909, 0.2959

Deuteranopia

27.8659, 0.3086, 0.3027



Tritanopia

27.7142, 0.3336, 0.3125

Trichromacy



Original Color

27.7343, 0.3243, 0.2936

Protanomaly

27.8488, 0.3017, 0.2951

Deuteranomaly

27.7794, 0.3141, 0.3000

Tritanomaly

27.6693, 0.3306, 0.3051

Monochromacy



Original Color

27.7343, 0.3243, 0.2936

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

28.4504, 0.3166, 0.3151

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7343, 0.3243, 0.2936 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(167, 134, 158)` looks like.

```
.text, #text, p{  
    color:rgb(167, 134, 158)  
}
```

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(167, 134, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 134, 158) }
```

Border

The CSS property to change the border of an element to Yxy 27.7343, 0.3243, 0.2936 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(167, 134, 158) }
```

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

```
.border{ border-color:rgb(167, 134, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 134, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(167, 134, 158); -webkit-box-shadow:4px 4px 4px 4px rgb(167, 134, 158); box-shadow:4px 4px 4px 4px rgb(167, 134, 158) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7343, 0.3243, 0.2936 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 134, 158) }
```

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

```
.background{ background-color: rgb(167,  
134, 158) }
```

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