

Converting Colors

$Y_{xy}(13.3825, 0.3878, 0.2951)$

Have a look what the booklet for
Yxy(13.3825, 0.3878, 0.2951)
contains.

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Color

Yxy(13.3688, 0.3868, 0.2943)

Conversions

Conversions Part 1

Format	Color
Hex	935367
RGB	147, 83, 103
RGB Percent	58%, 33%, 40%
CMY	0.4236, 0.6744, 0.5961
CMYK	0.00, 0.44, 0.30, 0.42
HSL	341°, 28%, 45%
HSV	341°, 44%, 58%
XYZ	17.5707, 13.3688, 14.4863
YIQ	104.4160, 31.7240, 19.7880

Conversions

Conversions Part 2

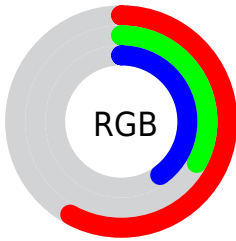
Format	Color
RYB	147, 83, 103
Decimal	9655143
CIELab	43.31, 29.17, 0.16
CIELCh	43, 29.168, 0.323
Yxy	13.3688, 0.3868, 0.2943
Android (android.graphics.Color)	4287845223 (0xFF935367)
YUV	104.4160, -0.6981, 37.3462
Hunter-Lab	36.5634, 21.7930, 2.1039

Details

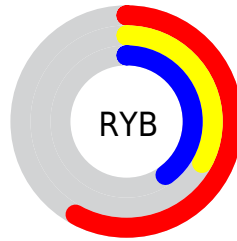
The Yxy color **13.3688, 0.3868, 0.2943** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.2317, 0.2707, 0.3678**, and the grayscale version is **13.9571, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0798, 0.3686, 0.3033**, and **3.8673, 0.4244, 0.2768** is the 20% darker color. If you saturate the color by 10%, you get **11.1624, 0.4137, 0.2871**, and if you desaturate by 10%, it is **16.0778, 0.3640, 0.3024**.

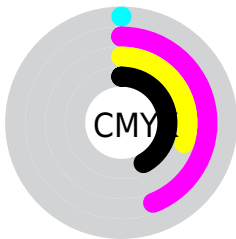
Distribution



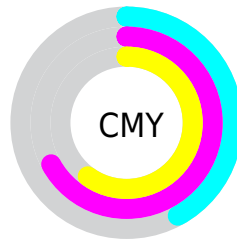
- Red (58%)
- Green (33%)
- Blue (40%)



- Red (58%)
- Yellow (33%)
- Blue (40%)



- Cyan (0%)
- Magenta (44%)
- Yellow (30%)
- Black (42%)





- Cyan (42%)
- Magenta (67%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3688, 0.3868, 0.2943 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 13.3688, 0.3868, 0.2943 by changing the saturation by 10% instead.


 13.3688, 0.3868,
0.2943


 13.3688, 0.3868,
0.2943


213.2679, 0.3422,
0.3152

 7.6830, 0.4016,
0.2873


 31.9648, 0.3682,
0.3030


 3.8928, 0.4238,
0.2769

 45.6437, 0.3620,
0.3059

 1.6138, 0.4603,
0.2597

 62.7559, 0.3571,
0.3083

 0.3669, 0.5887,
0.1999

 83.6856, 0.3530,
0.3102

 0.0000, 1.0000,
0.0000

 108.8172, 0.3496,
0.3117

 0.0000, 0.0000,
0.0000

138.5352, 0.3468,

0.3131

173.2240, 0.3443,
0.3142

■ 13.3688, 0.3868,
0.2943

■ 13.3688, 0.3868,
0.2943

■ 11.1624, 0.4137,
0.2871

■ 16.0778, 0.3640,
0.3024

■ 9.4255, 0.4445,
0.2815

■ 19.3160, 0.3451,
0.3107

■ 8.1238, 0.4784,
0.2787


■ 23.1106, 0.3295,
0.3187


■ 7.2177, 0.5134,
0.2798


■ 27.4860, 0.3166,
0.3264


■ 6.6599, 0.5468,
0.2853

■ 32.4655, 0.3061,
0.3336

 6.3973, 0.5673,
0.2899

 38.0709, 0.2975,
0.3402

 44.3230, 0.2905,
0.3462

 51.2416, 0.2846,
0.3518

 58.8457, 0.2798,
0.3568

Harmonies

Analogous

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



13.3688, 0.3252, 0.2577



13.3688, 0.3868, 0.2943



13.3688, 0.4281, 0.3398

Triad

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



13.3688, 0.3868, 0.2943



13.3688, 0.3517, 0.4421



13.3688, 0.2040, 0.2555

Complementary

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



13.3688, 0.3868, 0.2943



24.2317, 0.2707, 0.3678

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.



13.3688, 0.2093, 0.3006



13.3688, 0.3868, 0.2943



13.3688, 0.2914, 0.4194

Square

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



13.3688, 0.3868, 0.2943



13.3688, 0.4043, 0.4262



13.3688, 0.2399, 0.3630



13.3688, 0.2233, 0.2345

Rectangle

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



13.3688, 0.3868, 0.2943



13.3688, 0.4361, 0.3716



13.3688, 0.2399, 0.3630



13.3688, 0.2030, 0.2679

Sweetspot

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



13.3695, 0.3868, 0.2943



41.5844, 0.3291, 0.3189



12.7860, 0.2892, 0.2166



9.1555, 0.3320, 0.3173



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



13.3695, 0.3868, 0.2943



20.1553, 0.4124, 0.2873



14.9640, 0.4129, 0.3499



5.8435, 0.3236, 0.3221



5.5523, 0.5658, 0.2891



0.0728, 0.4595, 0.2305

Inverse Universe

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



13.3695, 0.3868, 0.2943



20.1553, 0.4124, 0.2873



21.3434, 0.2517, 0.3064



5.8435, 0.3236, 0.3221



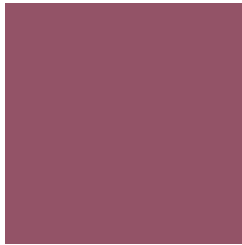
5.5523, 0.5658, 0.2891



0.0728, 0.4595, 0.2305

Previews

White Background



This preview shows how the Yxy color 13.3688, 0.3868, 0.2943 looks on a white 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

Black Background



This preview shows how the Yxy color 13.3688, 0.3868, 0.2943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

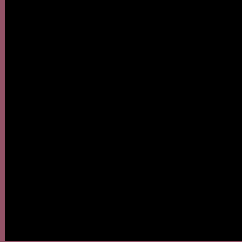
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3688, 0.3868, 0.2943

Background



This preview shows how black text looks on a background with the Yxy color 13.3688, 0.3868, 0.2943.



This preview shows how white text looks on a background with the Yxy color 13.3688, 0.3868, 0.2943.

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

13.3688, 0.3868, 0.2943

Protanopia

13.4843, 0.2958, 0.3032

Deuteranopia

13.4212, 0.3338, 0.3270



Tritanopia

13.3633, 0.4052, 0.3187

Trichromacy



Original Color

13.3688, 0.3868, 0.2943

Protanomaly

13.1618, 0.3262, 0.2986

Deuteranomaly

13.2039, 0.3527, 0.3133

Tritanomaly

13.2779, 0.3988, 0.3098

Monochromacy



Original Color

13.3688, 0.3868, 0.2943

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.3583, 0.3379, 0.3128

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3688, 0.3868, 0.2943 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(147, 83, 103)` looks like.

```
.text, #text, p{  
    color:rgb(147, 83, 103)  
}
```

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(147, 83, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 83, 103) }
```

Border

The CSS property to change the border of an element to Yxy 13.3688, 0.3868, 0.2943 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(147, 83, 103) }
```

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

```
.border{ border-color:rgb(147, 83, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 83, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 83, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 83, 103);  
box-shadow:4px 4px 4px 4px rgb(147, 83,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3688, 0.3868, 0.2943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 83, 103) }
```

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

```
.background{ background-color: rgb(147, 83,  
103) }
```

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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