

Converting Colors

$Y_{xy}(12.8956, 0.4031, 0.3190)$

Have a look what the booklet for
Yxy(12.8956, 0.4031, 0.3190)
contains.

Yxy(12.9185, 0.4029, 0.3184)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.9185, 0.4029, 0.3184)

Conversions

Conversions Part 1

Format	Color
Hex	8F545A
RGB	143, 84, 90
RGB Percent	56%, 33%, 35%
CMY	0.4391, 0.6706, 0.6470
CMYK	0.00, 0.41, 0.37, 0.44
HSL	354°, 26%, 45%
HSV	354°, 41%, 56%
XYZ	16.3469, 12.9185, 11.3077
YIQ	102.3250, 33.2380, 14.3740

Conversions

Conversions Part 2

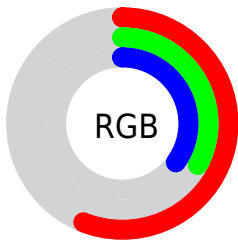
Format	Color
R_{YB}	143, 84, 90
Decimal	9393242
CIE Lab	42.64, 25.30, 7.09
CIE LCh	43, 26.275, 15.666
Yxy	12.9185, 0.4029, 0.3184
Android (android.graphics.Color)	4287583322 (0xFF8F545A)
YUV	102.3250, -6.0762, 35.6720
Hunter-Lab	35.9423, 18.2846, 6.5065

Details

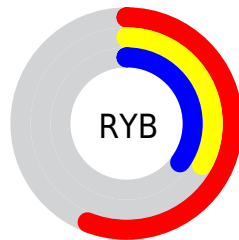
The Yxy color **12.9185, 0.4029, 0.3184** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.3424, 0.2625, 0.3405**, and the grayscale version is **13.3866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2272, 0.3789, 0.3225**, and **3.6863, 0.4478, 0.3085** is the 20% darker color. If you saturate the color by 10%, you get **10.7212, 0.4379, 0.3162**, and if you desaturate by 10%, it is **15.6082, 0.3736, 0.3210**.

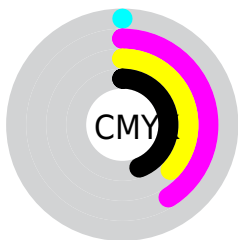
Distribution



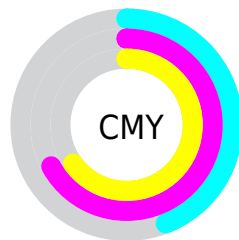
- Red (56%)
- Green (33%)
- Blue (35%)



- Red (56%)
- Yellow (33%)
- Blue (35%)



- Cyan (0%)
- Magenta (41%)
- Yellow (37%)
- Black (44%)





- Cyan (44%)
- Magenta (67%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9185, 0.4029, 0.3184 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 12.9185, 0.4029, 0.3184 by changing the saturation by 10% instead.


 12.9185, 0.4029,
0.3184


 12.9185, 0.4029,
0.3184


210.3947, 0.3479,
0.3259


 7.3724, 0.4216,
0.3152


 31.1573, 0.3797,
0.3219


 3.6961, 0.4498,
0.3097

 44.6188, 0.3721,
0.3230


 1.5051, 0.4969,
0.2988

 61.4876, 0.3660,
0.3238

 0.2923, 0.7541,
0.2459

 82.1481, 0.3610,
0.3244

 0.0000, 0.0000,
0.0000

 106.9847, 0.3569,
0.3249

136.3817, 0.3535,

0.3253

170.7236, 0.3505,
0.3256

■ 12.9185, 0.4029,
0.3184

■ 12.9185, 0.4029,
0.3184

■ 10.7212, 0.4379,
0.3162

■ 15.6082, 0.3736,
0.3210

■ 8.9847, 0.4781,
0.3147

■ 18.8156, 0.3497,
0.3237

■ 7.6766, 0.5217,
0.3145


■ 22.5665, 0.3302,
0.3263


■ 6.7597, 0.5646,
0.3159


■ 26.8847, 0.3145,
0.3287

■ 6.1901, 0.6010,
0.3192

■ 31.7922, 0.3018,
0.3310

 5.8751, 0.6252,
0.3218

 37.3101, 0.2914,
0.3330

 43.4584, 0.2830,
0.3349

 50.2560, 0.2761,
0.3366

 57.7214, 0.2703,
0.3381

Harmonies

Analogous

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



12.9185, 0.3540, 0.2793



12.9185, 0.4029, 0.3184



12.9185, 0.4249, 0.3622

Triad

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



12.9185, 0.4029, 0.3184



12.9185, 0.3207, 0.4254



12.9185, 0.2189, 0.2491

Complementary

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



12.9185, 0.4029, 0.3184



23.3424, 0.2625, 0.3405

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.



12.9185, 0.2121, 0.2798



12.9185, 0.4029, 0.3184



12.9185, 0.2676, 0.3871

Square

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



12.9185, 0.4029, 0.3184



12.9185, 0.3743, 0.4289



12.9185, 0.2288, 0.3303



12.9185, 0.2482, 0.2404

Rectangle

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



12.9185, 0.4029, 0.3184



12.9185, 0.4207, 0.3903



12.9185, 0.2288, 0.3303



12.9185, 0.2141, 0.2568

Sweetspot

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



12.9191, 0.4029, 0.3184



39.6981, 0.3319, 0.3260



13.5685, 0.3075, 0.2280



8.9207, 0.3340, 0.3257



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



12.9191, 0.4029, 0.3184



19.2705, 0.4370, 0.3162



16.9178, 0.3966, 0.3697



5.4325, 0.3266, 0.3268



5.1945, 0.6243, 0.3213



0.0511, 0.5616, 0.2868

Inverse Universe

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



12.9191, 0.4029, 0.3184



19.2705, 0.4370, 0.3162



17.3960, 0.2508, 0.2837



5.4325, 0.3266, 0.3268



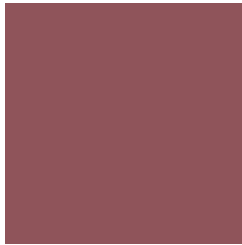
5.1945, 0.6243, 0.3213



0.0511, 0.5616, 0.2868

Previews

White Background



This preview shows how the Yxy color 12.9185, 0.4029, 0.3184 looks on a white background.

Color Contrast Check

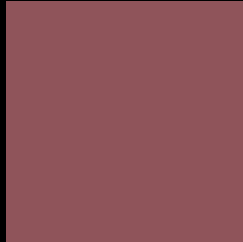
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9185, 0.4029, 0.3184 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

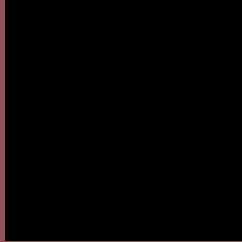
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9185, 0.4029, 0.3184

Background



This preview shows how black text looks on a background with the Yxy color 12.9185, 0.4029, 0.3184.



This preview shows how white text looks on a background with the Yxy color 12.9185, 0.4029, 0.3184.

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

12.9185, 0.4029, 0.3184

Protanopia

13.0918, 0.3183, 0.3334

Deuteranopia

12.9670, 0.3555, 0.3482



Tritanopia

12.9185, 0.4029, 0.3184

Trichromacy



Original Color

12.9185, 0.4029, 0.3184

Protanomaly

12.8805, 0.3472, 0.3270

Deuteranomaly

12.8112, 0.3724, 0.3352

Tritanomaly

12.9185, 0.4029, 0.3184

Monochromacy



Original Color

12.9185, 0.4029, 0.3184

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.8482, 0.3426, 0.3228

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9185, 0.4029, 0.3184 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(143, 84, 90)` looks like.

```
.text, #text, p{  
    color:rgb(143, 84, 90)  
}
```

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(143, 84, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 84, 90) }
```

Border

The CSS property to change the border of an element to Yxy 12.9185, 0.4029, 0.3184 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(143, 84, 90) }
```

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

```
.border{ border-color:rgb(143, 84, 90) }
```

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

Here you see how a box with a 4 pixel rgb(143, 84, 90) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 84, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 84, 90);  
box-shadow:4px 4px 4px 4px rgb(143, 84,  
90) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9185, 0.4029, 0.3184 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 84, 90) }
```

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

```
.background{ background-color: rgb(143, 84,  
90) }
```

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