

Converting Colors

$Y_{xy}(12.9118, 0.4005, 0.2828)$

Have a look what the booklet for
Yxy(12.9118, 0.4005, 0.2828)
contains.

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Color

Yxy(12.8815, 0.4018, 0.2829)

Conversions

Conversions Part 1

Format	Color
Hex	9A4B67
RGB	154, 75, 103
RGB Percent	60%, 29%, 40%
CMY	0.3960, 0.7060, 0.5960
CMYK	0.00, 0.51, 0.33, 0.40
HSL	339°, 35%, 45%
HSV	339°, 51%, 60%
XYZ	18.2955, 12.8815, 14.3568
YIQ	101.8130, 38.0960, 25.4560

Conversions

Conversions Part 2

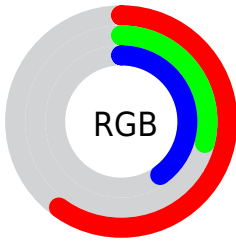
Format	Color
R_{YB}	154, 75, 103
Decimal	10111847
CIE Lab	42.58, 36.18, -0.79
CIE LCh	43, 36.185, 358.751
Yxy	12.8815, 0.4018, 0.2829
Android (android.graphics.Color)	4288301927 (0xFF9A4B67)
YUV	101.8130, 0.5852, 45.7680
Hunter-Lab	35.8908, 28.1821, 1.4068

Details

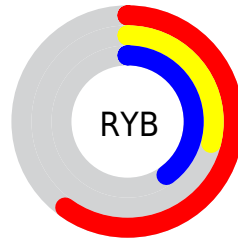
The Yxy color **12.8815, 0.4018, 0.2829** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **26.1229, 0.2674, 0.3832**, and the grayscale version is **13.2263, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1037, 0.3798, 0.2942**, and **3.6901, 0.4471, 0.2612** is the 20% darker color. If you saturate the color by 10%, you get **10.8523, 0.4298, 0.2759**, and if you desaturate by 10%, it is **15.4416, 0.3775, 0.2915**.

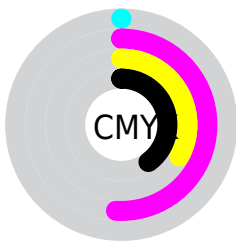
Distribution



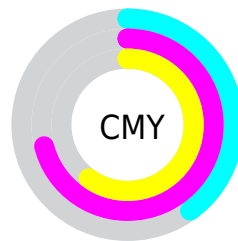
- Red (60%)
- Green (29%)
- Blue (40%)



- Red (60%)
- Yellow (29%)
- Blue (40%)



- Cyan (0%)
- Magenta (51%)
- Yellow (33%)
- Black (40%)





- Cyan (40%)
- Magenta (71%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.8815, 0.4018, 0.2829 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 12.8815, 0.4018, 0.2829 by changing the saturation by 10% instead.


 12.8815, 0.4018,
0.2829


 12.8815, 0.4018,
0.2829


210.1568, 0.3481,
0.3106


 7.3470, 0.4197,
0.2738


 31.0907, 0.3794,
0.2944


 3.6800, 0.4463,
0.2602

 44.5342, 0.3719,
0.2983


 1.4962, 0.4900,
0.2381

 61.3829, 0.3660,
0.3013

 0.2861, 0.6468,
0.1548

 82.0211, 0.3611,
0.3039

 0.0000, 1.0000,
0.0000

 106.8331, 0.3570,
0.3060

 0.0000, 0.0000,
0.0000

136.2035, 0.3536,

0.3077

170.5166, 0.3507,
0.3093

■ 12.8815, 0.4018,
0.2829

■ 12.8815, 0.4018,
0.2829

■ 10.8523, 0.4298,
0.2759

■ 15.4416, 0.3775,
0.2915

■ 9.3140, 0.4609,
0.2716

■ 18.5647, 0.3570,
0.3008

■ 8.2242, 0.4937,
0.2711

■ 22.2830, 0.3398,
0.3102

■ 7.5320, 0.5259,
0.2754

■ 26.6254, 0.3257,
0.3193

■ 7.1452, 0.5524,
0.2817

■ 31.6190, 0.3141,
0.3279

■ 37.2893, 0.3045,
0.3359

■ 43.6604, 0.2967,
0.3433

■ 50.7553, 0.2902,
0.3501

■ 58.5957, 0.2849,
0.3563

Harmonies

Analogous

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



12.8815, 0.3232, 0.2404



12.8815, 0.4018, 0.2829



12.8815, 0.4560, 0.3364

Triad

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



12.8815, 0.4018, 0.2829



12.8815, 0.3621, 0.4720



12.8815, 0.1803, 0.2392

Complementary

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



12.8815, 0.4018, 0.2829



26.1229, 0.2674, 0.3832

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.



12.8815, 0.1874, 0.2950



12.8815, 0.4018, 0.2829



12.8815, 0.2880, 0.4485

Square

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



12.8815, 0.4018, 0.2829



12.8815, 0.4269, 0.4450



12.8815, 0.2246, 0.3758



12.8815, 0.2017, 0.2142

Rectangle

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



12.8815, 0.4018, 0.2829



12.8815, 0.4666, 0.3744



12.8815, 0.2246, 0.3758



12.8815, 0.1795, 0.2543

Sweetspot

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



12.8821, 0.4018, 0.2829



45.0689, 0.3310, 0.3157



11.7272, 0.2779, 0.1938



9.8504, 0.3338, 0.3139



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



12.8821, 0.4018, 0.2829



19.1016, 0.4356, 0.2748



13.9602, 0.4444, 0.3468



6.2571, 0.3231, 0.3211



5.8252, 0.5504, 0.2806



0.0936, 0.4468, 0.2235

Inverse Universe

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



12.8821, 0.4018, 0.2829



19.1016, 0.4356, 0.2748



23.6218, 0.2438, 0.3091



6.2571, 0.3231, 0.3211



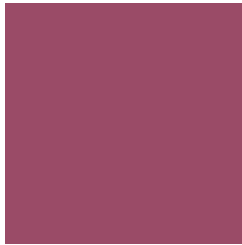
5.8252, 0.5504, 0.2806



0.0936, 0.4468, 0.2235

Previews

White Background



This preview shows how the Yxy color 12.8815, 0.4018, 0.2829 looks on a white background.

Color Contrast Check

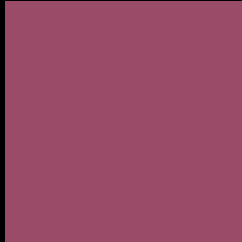
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8815, 0.4018, 0.2829 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

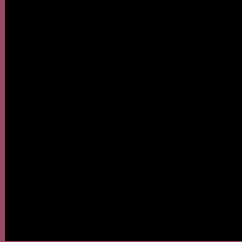
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8815, 0.4018, 0.2829

Background



This preview shows how black text looks on a background with the Yxy color 12.8815, 0.4018, 0.2829.

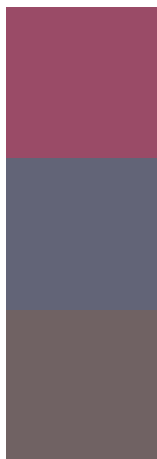


This preview shows how white text looks on a background with the Yxy color 12.8815, 0.4018, 0.2829.

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

12.8815, 0.4018, 0.2829

Protanopia

13.0429, 0.2856, 0.2882

Deuteranopia

13.0810, 0.3325, 0.3269



Tritanopia

12.9075, 0.4313, 0.3209

Trichromacy



Original Color

12.8815, 0.4018, 0.2829

Protanomaly

12.5260, 0.3225, 0.2846

Deuteranomaly

12.7445, 0.3571, 0.3094

Tritanomaly

12.9764, 0.4207, 0.3076

Monochromacy



Original Color

12.8815, 0.4018, 0.2829

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

12.6785, 0.3436, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8815, 0.4018, 0.2829 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(154, 75, 103)` looks like.

```
.text, #text, p{  
    color:rgb(154, 75, 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(154, 75, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 75, 103) }
```

Border

The CSS property to change the border of an element to Yxy 12.8815, 0.4018, 0.2829 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(154, 75, 103) }
```

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

```
.border{ border-color:rgb(154, 75, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 75, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 75, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 75, 103);  
box-shadow:4px 4px 4px 4px rgb(154, 75,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8815, 0.4018, 0.2829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 75, 103) }
```

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

```
.background{ background-color: rgb(154, 75,  
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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