

Converting Colors

$Y_{xy}(15.9661, 0.4282, 0.3170)$

Have a look what the booklet for
Yxy(15.9661, 0.4282, 0.3170)
contains.

Yxy(15.9674, 0.4294, 0.3171)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.9674, 0.4294, 0.3171)

Conversions

Conversions Part 1

Format	Color
Hex	A8575F
RGB	168, 87, 95
RGB Percent	66%, 34%, 37%
CMY	0.3412, 0.6588, 0.6275
CMYK	0.00, 0.48, 0.43, 0.34
HSL	354°, 32%, 50%
HSV	354°, 48%, 66%
XYZ	21.6222, 15.9674, 12.7649
YIQ	112.1310, 45.7080, 19.6600

Conversions

Conversions Part 2

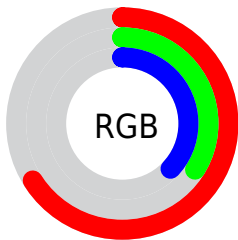
Format	Color
R_{YB}	168, 87, 95
Decimal	11032415
CIE _{Lab}	46.93, 33.97, 10.62
CIE _{LCh}	47, 35.591, 17.358
Yxy	15.9674, 0.4294, 0.3171
Android (android.graphics.Color)	4289222495 (0xFFA8575F)
YUV	112.1310, -8.4456, 48.9971
Hunter-Lab	39.9592, 26.6589, 9.0314

Details

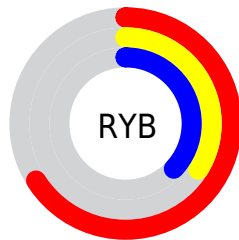
The Yxy color **15.9674, 0.4294, 0.3171** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **32.5720, 0.2552, 0.3424**, and the grayscale version is **16.2591, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6783, 0.4015, 0.3222**, and **5.1187, 0.4841, 0.3075** is the 20% darker color. If you saturate the color by 10%, you get **13.3079, 0.4692, 0.3155**, and if you desaturate by 10%, it is **19.3151, 0.3952, 0.3194**.

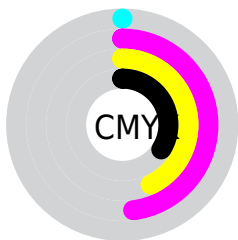
Distribution



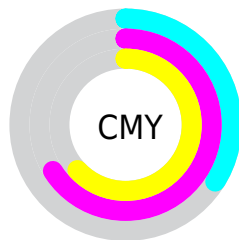
- Red (66%)
- Green (34%)
- Blue (37%)



- Red (66%)
- Yellow (34%)
- Blue (37%)



- Cyan (0%)
- Magenta (48%)
- Yellow (43%)
- Black (34%)



- Cyan (34%)
- Magenta (66%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9674, 0.4294, 0.3171 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 15.9674, 0.4294, 0.3171 by changing the saturation by 10% instead.


 15.9674, 0.4294,
0.3171


 15.9674, 0.4294,
0.3171


229.1493, 0.3603,
0.3260


 9.5011, 0.4515,
0.3132


 36.5416, 0.4011,
0.3214


 5.0694, 0.4834,
0.3067

 51.4183, 0.3914,
0.3226


 2.2881, 0.5330,
0.2946

 69.8672, 0.3837,
0.3235

 0.7674, 0.6743,
0.2905

 92.2728, 0.3773,
0.3243

 0.0000, 1.0000,
0.0000

 119.0194, 0.3720,
0.3248

 0.0000, 0.0000,
0.0000

150.4914, 0.3675,

0.3253

187.0732, 0.3636,
0.3257

■ 15.9674, 0.4294,
0.3171

■ 15.9674, 0.4294,
0.3171

■ 13.3079, 0.4692,
0.3155

■ 19.3151, 0.3952,
0.3194

■ 11.2865, 0.5131,
0.3149

■ 23.3918, 0.3669,
0.3220

■ 9.8502, 0.5571,
0.3160


■ 28.2378, 0.3439,
0.3246

■ 8.9365, 0.5957,
0.3190


■ 33.8899, 0.3253,
0.3271

■ 8.4383, 0.6237,
0.3228

■ 40.3825, 0.3103,
0.3294

 8.3643, 0.6277,
0.3232

 47.7480, 0.2982,
0.3316

 56.0170, 0.2883,
0.3335

 65.2188, 0.2803,
0.3353

 75.3812, 0.2737,
0.3369

Harmonies

Analogous

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



15.9674, 0.3682, 0.2699



15.9674, 0.4294, 0.3171



15.9674, 0.4540, 0.3700

Triad

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



15.9674, 0.4294, 0.3171



15.9674, 0.3167, 0.4518



15.9674, 0.1990, 0.2285

Complementary

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



15.9674, 0.4294, 0.3171



32.5720, 0.2552, 0.3424

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.



15.9674, 0.1891, 0.2631



15.9674, 0.4294, 0.3171



15.9674, 0.2520, 0.3999

Square

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



15.9674, 0.4294, 0.3171



15.9674, 0.3839, 0.4554



15.9674, 0.2068, 0.3250



15.9674, 0.2353, 0.2207

Rectangle

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



15.9674, 0.4294, 0.3171



15.9674, 0.4459, 0.4047



15.9674, 0.2068, 0.3250



15.9674, 0.1928, 0.2369

Sweetspot

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



15.9682, 0.4294, 0.3171



55.1182, 0.3360, 0.3256



17.1080, 0.3077, 0.2110



11.5640, 0.3401, 0.3250



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.



15.9682, 0.4294, 0.3171



23.7918, 0.4728, 0.3154



22.3035, 0.4166, 0.3790



7.5539, 0.3271, 0.3268



6.3199, 0.6262, 0.3223



0.1574, 0.5731, 0.2931

Inverse Universe

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



15.9682, 0.4294, 0.3171



23.7918, 0.4728, 0.3154



22.3507, 0.2396, 0.2712



7.5539, 0.3271, 0.3268



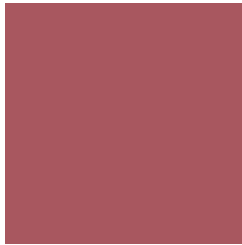
6.3199, 0.6262, 0.3223



0.1574, 0.5731, 0.2931

Previews

White Background



This preview shows how the Yxy color 15.9674, 0.4294, 0.3171 looks on a white background.

Color Contrast Check

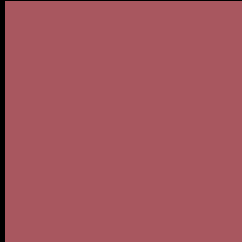
Large Text (above 18pt) WCAG AA ✓ Pass

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 15.9674, 0.4294, 0.3171 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

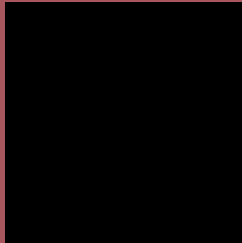
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9674, 0.4294, 0.3171

Background



This preview shows how black text looks on a background with the Yxy color 15.9674, 0.4294, 0.3171.



This preview shows how white text looks on a background with the Yxy color 15.9674, 0.4294, 0.3171.

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

15.9674, 0.4294, 0.3171

Protanopia

16.0964, 0.3219, 0.3351

Deuteranopia

16.0339, 0.3661, 0.3580



Tritanopia

15.9315, 0.4327, 0.3202

Trichromacy



Original Color

15.9674, 0.4294, 0.3171

Protanomaly

15.5503, 0.3584, 0.3273

Deuteranomaly

15.8339, 0.3893, 0.3418

Tritanomaly

15.9494, 0.4310, 0.3186

Monochromacy



Original Color

15.9674, 0.4294, 0.3171

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

15.6466, 0.3507, 0.3234

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9674, 0.4294, 0.3171 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(168, 87, 95)` looks like.

```
.text, #text, p{  
    color:rgb(168, 87, 95)  
}
```

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(168, 87, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 87, 95) }
```

Border

The CSS property to change the border of an element to Yxy 15.9674, 0.4294, 0.3171 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(168, 87, 95) }
```

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

```
.border{ border-color:rgb(168, 87, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 87, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 87, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 87, 95);  
box-shadow:4px 4px 4px 4px rgb(168, 87,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9674, 0.4294, 0.3171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 87, 95) }
```

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

```
.background{ background-color: rgb(168, 87,  
95) }
```

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