

Converting Colors

$Y_{xy}(16.8708, 0.3802, 0.2935)$

Have a look what the booklet for
Yxy(16.8708, 0.3802, 0.2935)
contains.

Yxy(16.8434, 0.3813, 0.2939)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.8434, 0.3813, 0.2939)

Conversions

Conversions Part 1

Format	Color
Hex	A15E74
RGB	161, 94, 116
RGB Percent	63%, 37%, 45%
CMY	0.3686, 0.6314, 0.5452
CMYK	0.00, 0.42, 0.28, 0.37
HSL	340°, 26%, 50%
HSV	340°, 42%, 63%
XYZ	21.8523, 16.8434, 18.6143
YIQ	116.5410, 32.8700, 21.0460

Conversions

Conversions Part 2

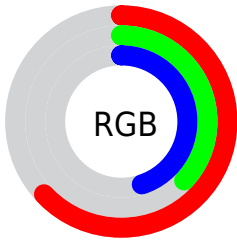
Format	Color
R_{YB}	161, 94, 116
Decimal	10575476
CIE _{Lab}	48.06, 30.18, -0.55
CIE _{LCh}	48, 30.182, 358.958
Yxy	16.8434, 0.3813, 0.2939
Android (android.graphics.Color)	4288765556 (0xFFA15E74)
YUV	116.5410, -0.2667, 38.9905
Hunter-Lab	41.0407, 23.2218, 1.8371

Details

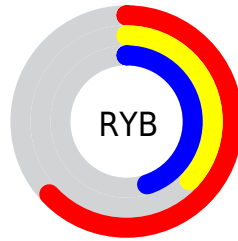
The Yxy color **16.8434, 0.3813, 0.2939** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **29.7361, 0.2727, 0.3681**, and the grayscale version is **17.6334, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.1366, 0.3645, 0.3025**, and **5.4971, 0.4107, 0.2793** is the 20% darker color. If you saturate the color by 10%, you get **14.0358, 0.4070, 0.2860**, and if you desaturate by 10%, it is **20.2792, 0.3596, 0.3025**.

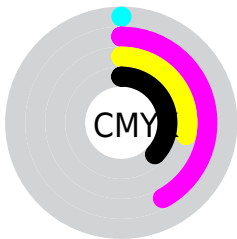
Distribution



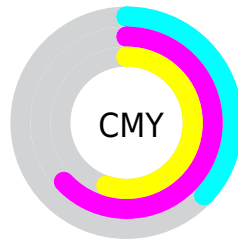
- Red (63%)
- Green (37%)
- Blue (45%)



- Red (63%)
- Yellow (37%)
- Blue (45%)



- Cyan (0%)
- Magenta (42%)
- Yellow (28%)
- Black (37%)





- Cyan (37%)
- Magenta (63%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8434, 0.3813, 0.2939 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 16.8434, 0.3813, 0.2939 by changing the saturation by 10% instead.


 16.8434, 0.3813,
0.2939


 16.8434, 0.3813,
0.2939


234.2683, 0.3413,
0.3143


 10.1229, 0.3938,
0.2875


 38.0563, 0.3651,
0.3022


 5.4805, 0.4118,
0.2784

 53.3176, 0.3595,
0.3050

 2.5319, 0.4400,
0.2642

 72.1945, 0.3551,
0.3073

 0.8925, 0.4895,
0.2394

 95.0715, 0.3514,
0.3092

 0.0000, 1.0000,
0.0000

122.3330, 0.3483,
0.3108

 0.0000, 0.0000,
0.0000

154.3633, 0.3456,

0.3121

191.5470, 0.3433,
0.3133

■ 16.8434, 0.3813,
0.2939

■ 16.8434, 0.3813,
0.2939

■ 14.0358, 0.4070,
0.2860

■ 20.2792, 0.3596,
0.3025

■ 11.8156, 0.4367,
0.2797

■ 24.3759, 0.3415,
0.3112

■ 10.1409, 0.4696,
0.2762


■ 29.1669, 0.3266,
0.3197

■ 8.9630, 0.5041,
0.2764


■ 34.6825, 0.3145,
0.3278

■ 8.2247, 0.5375,
0.2813

■ 40.9513, 0.3045,
0.3352

 7.8326, 0.5635,
0.2878

 48.0004, 0.2963,
0.3421

 55.8553, 0.2896,
0.3484

 64.5406, 0.2840,
0.3541

 74.0797, 0.2794,
0.3594

Harmonies

Analogous

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



16.8434, 0.3221, 0.2590



16.8434, 0.3813, 0.2939



16.8434, 0.4221, 0.3377

Triad

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



16.8434, 0.3813, 0.2939



16.8434, 0.3530, 0.4372



16.8434, 0.2077, 0.2601

Complementary

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



16.8434, 0.3813, 0.2939



29.7361, 0.2727, 0.3681

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.



16.8434, 0.2141, 0.3045



16.8434, 0.3813, 0.2939



16.8434, 0.2951, 0.4170

Square

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



16.8434, 0.3813, 0.2939



16.8434, 0.4027, 0.4212



16.8434, 0.2447, 0.3644



16.8434, 0.2254, 0.2385

Rectangle

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



16.8434, 0.3813, 0.2939



16.8434, 0.4310, 0.3683



16.8434, 0.2447, 0.3644



16.8434, 0.2071, 0.2724

Sweetspot

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



16.8442, 0.3813, 0.2939



51.6704, 0.3275, 0.3192



16.0404, 0.2890, 0.2204



11.0947, 0.3291, 0.3182



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



16.8442, 0.3813, 0.2939



25.4408, 0.4052, 0.2865



18.5239, 0.4086, 0.3473



7.1225, 0.3236, 0.3217



6.2622, 0.5614, 0.2866



0.1400, 0.4652, 0.2337

Inverse Universe

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



16.8442, 0.3813, 0.2939



25.4408, 0.4052, 0.2865



26.7141, 0.2539, 0.3093



7.1225, 0.3236, 0.3217



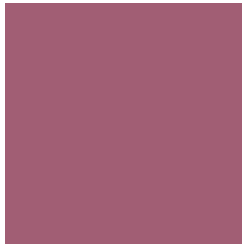
6.2622, 0.5614, 0.2866



0.1400, 0.4652, 0.2337

Previews

White Background



This preview shows how the Yxy color 16.8434, 0.3813, 0.2939 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 16.8434, 0.3813, 0.2939 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

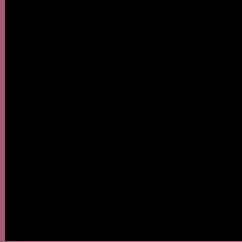
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8434, 0.3813, 0.2939

Background



This preview shows how black text looks on a background with the Yxy color 16.8434, 0.3813, 0.2939.



This preview shows how white text looks on a background with the Yxy color 16.8434, 0.3813, 0.2939.

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

16.8434, 0.3813, 0.2939

Protanopia

17.1039, 0.2951, 0.3018

Deuteranopia

16.9968, 0.3305, 0.3252



Tritanopia

16.8186, 0.3993, 0.3179

Trichromacy



Original Color

16.8434, 0.3813, 0.2939

Protanomaly

16.7165, 0.3223, 0.2977

Deuteranomaly

16.8070, 0.3488, 0.3129

Tritanomaly

16.7407, 0.3920, 0.3081

Monochromacy



Original Color

16.8434, 0.3813, 0.2939

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.2082, 0.3352, 0.3143

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8434, 0.3813, 0.2939 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(161, 94, 116)` looks like.

```
.text, #text, p{  
    color:rgb(161, 94, 116)  
}
```

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(161, 94, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 94, 116) }
```

Border

The CSS property to change the border of an element to Yxy 16.8434, 0.3813, 0.2939 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(161, 94, 116) }
```

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

```
.border{ border-color:rgb(161, 94, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 94, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 94, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 94, 116);  
box-shadow:4px 4px 4px 4px rgb(161, 94,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8434, 0.3813, 0.2939 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 94, 116) }
```

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

```
.background{ background-color: rgb(161, 94,  
116) }
```

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