

# Converting Colors

$Y_{xy}(15.7603, 0.3654, 0.3119)$

Have a look what the booklet for  
Yxy(15.7603, 0.3654, 0.3119)  
contains.

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**Color**

**Yxy(15.8460, 0.3654, 0.3131)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	8F636C
RGB	143, 99, 108
RGB Percent	56%, 39%, 42%
CMY	0.4393, 0.6117, 0.5765
CMYK	0.00, 0.31, 0.24, 0.44
HSL	348°, 18%, 47%
HSV	348°, 31%, 56%
XYZ	18.4929, 15.8460, 16.2711
YIQ	113.1820, 23.3350, 12.1270

# Conversions

## Conversions Part 2

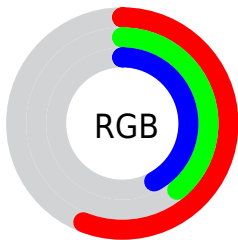
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	143, 99, 108
Decimal	9397100
CIE <sub>Lab</sub>	46.77, 19.16, 2.09
CIE <sub>LCh</sub>	47, 19.275, 6.238
Yxy	15.8460, 0.3654, 0.3131
Android (android.graphics.Color)	4287587180 (0xFF8F636C)
YUV	113.1820, -2.5547, 26.1504
Hunter-Lab	39.8070, 13.2623, 3.6301

# Details

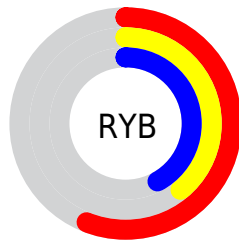
The Yxy color **15.8460, 0.3654, 0.3131** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **24.0116, 0.2774, 0.3457**, and the grayscale version is **16.5731, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.3217, 0.3534, 0.3173**, and **5.0171, 0.3882, 0.3050** is the 20% darker color. If you saturate the color by 10%, you get **13.1462, 0.3908, 0.3078**, and if you desaturate by 10%, it is **19.0586, 0.3445, 0.3185**.

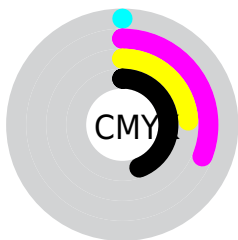
# Distribution



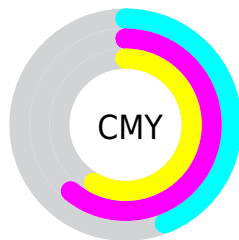
- Red (56%)
- Green (39%)
- Blue (42%)



- Red (56%)
- Yellow (39%)
- Blue (42%)



- Cyan (0%)
- Magenta (31%)
- Yellow (24%)
- Black (44%)



- Cyan (44%)
- Magenta (61%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8460, 0.3654, 0.3131 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 15.8460, 0.3654, 0.3131 by changing the saturation by 10% instead.





 15.8460, 0.3654,  
0.3131


 15.8460, 0.3654,  
0.3131


228.4313, 0.3343,  
0.3227


 9.4152, 0.3754,  
0.3099

 36.3306, 0.3526,  
0.3171


 5.0130, 0.3902,  
0.3051

 51.1533, 0.3483,  
0.3184

 2.2549, 0.4138,  
0.2972

 69.5421, 0.3448,  
0.3195

 0.7497, 0.4638,  
0.2832

 91.8814, 0.3420,  
0.3204

 0.0000, 1.0000,  
0.0000

118.5555, 0.3396,  
0.3211

 0.0000, 0.0000,  
0.0000

149.9490, 0.3375,

0.3217

186.4461, 0.3358,  
0.3222

■ 15.8460, 0.3654,  
0.3131

■ 15.8460, 0.3654,  
0.3131

■ 13.1462, 0.3908,  
0.3078

■ 19.0586, 0.3445,  
0.3185

■ 10.9304, 0.4210,  
0.3030

■ 22.8063, 0.3275,  
0.3237

■ 9.1704, 0.4562,  
0.2993


■ 27.1128, 0.3136,  
0.3286

■ 7.8343, 0.4950,  
0.2977


■ 31.9998, 0.3024,  
0.3332

■ 6.8858, 0.5351,  
0.2989

■ 37.4878, 0.2931,  
0.3374

 6.2826, 0.5723,  
0.3034

 43.5964, 0.2856,  
0.3412

 5.9271, 0.6018,  
0.3089

 50.3440, 0.2793,  
0.3446

 57.7485, 0.2742,  
0.3478

 65.8271, 0.2698,  
0.3506

# Harmonies

## Analogous

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



15.8460, 0.3292, 0.2866



15.8460, 0.3654, 0.3131



15.8460, 0.3871, 0.3444

# Triad

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



15.8460, 0.3654, 0.3131



15.8460, 0.3316, 0.3970



15.8460, 0.2430, 0.2790

# Complementary

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



15.8460, 0.3654, 0.3131



24.0116, 0.2774, 0.3457

# 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.



15.8460, 0.2437, 0.3062



15.8460, 0.3654, 0.3131



15.8460, 0.2933, 0.3778

# Square

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



15.8460, 0.3654, 0.3131



15.8460, 0.3662, 0.3944



15.8460, 0.2615, 0.3430



15.8460, 0.2595, 0.2668



# Rectangle

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



15.8460, 0.3654, 0.3131



15.8460, 0.3896, 0.3648



15.8460, 0.2615, 0.3430



15.8460, 0.2413, 0.2866

# Sweetspot

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



15.8467, 0.3654, 0.3131



41.9918, 0.3251, 0.3245



15.9323, 0.3035, 0.2523



9.4078, 0.3271, 0.3238



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.



15.8467, 0.3654, 0.3131



24.8928, 0.3827, 0.3093



18.2104, 0.3726, 0.3514



5.4410, 0.3251, 0.3245



5.2454, 0.6007, 0.3083



0.0528, 0.5047, 0.2554



# Inverse Universe

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



15.8467, 0.3654, 0.3131



24.8928, 0.3827, 0.3093



20.7397, 0.2673, 0.3054



5.4410, 0.3251, 0.3245



5.2454, 0.6007, 0.3083

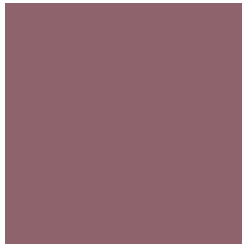


0.0528, 0.5047, 0.2554



# Previews

## White Background



This preview shows how the Yxy color 15.8460, 0.3654, 0.3131 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

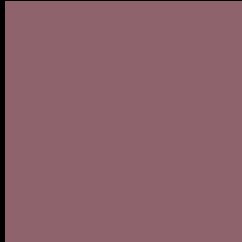
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 15.8460, 0.3654, 0.3131 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

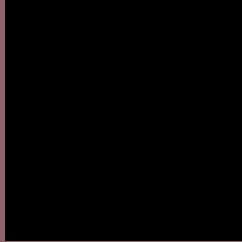
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**Yxy 15.8460, 0.3654, 0.3131**

## Background



This preview shows how black text looks on a background with the Yxy color 15.8460, 0.3654, 0.3131.



This preview shows how white text looks on a background with the Yxy color 15.8460, 0.3654, 0.3131.

# 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

15.8460, 0.3654, 0.3131

### Protanopia

16.0514, 0.3091, 0.3209

### Deuteranopia

15.8411, 0.3379, 0.3310



## Tritanopia

15.8249, 0.3670, 0.3149

# Trichromacy



## Original Color

15.8460, 0.3654, 0.3131

## Protanomaly

15.8962, 0.3284, 0.3193

## Deuteranomaly

15.7875, 0.3475, 0.3234

## Tritanomaly

15.8249, 0.3670, 0.3149

# Monochromacy



## Original Color

15.8460, 0.3654, 0.3131

## Achromatopsia

16.5132, 0.3127, 0.3290

## Achromatomaly

16.1579, 0.3310, 0.3232

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 15.8460, 0.3654, 0.3131 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, 99, 108)` looks like.

```
.text, #text, p{  
    color:rgb(143, 99, 108)  
}
```

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, 99, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 99, 108) }
```

## Border

The CSS property to change the border of an element to Yxy 15.8460, 0.3654, 0.3131 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, 99, 108) }
```

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

```
.border{ border-color:rgb(143, 99, 108) }
```

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

Here you see how a box with a 4 pixel rgb(143, 99, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 99, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 99, 108);  
box-shadow:4px 4px 4px 4px rgb(143, 99,  
108) }
```



# Background

The CSS property to change the background color of an element to Yxy 15.8460, 0.3654, 0.3131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 99, 108) }
```

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

```
.background{ background-color: rgb(143, 99,  
108) }
```

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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