

Converting Colors

$Y_{xy}(15.7485, 0.3865, 0.3950)$

Have a look what the booklet for
Yxy(15.7485, 0.3865, 0.3950)
contains.

Yxy(15.7316, 0.3858, 0.3954)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(15.7316, 0.3858, 0.3954)

Conversions

Conversions Part 1

Format	Color
Hex	7F6C4A
RGB	127, 108, 74
RGB Percent	50%, 42%, 29%
CMY	0.5020, 0.5764, 0.7098
CMYK	0.00, 0.15, 0.42, 0.50
HSL	39°, 26%, 39%
HSV	39°, 42%, 50%
XYZ	15.3496, 15.7316, 8.7053
YIQ	109.8050, 22.2380, -6.5460

Conversions

Conversions Part 2

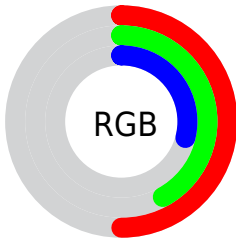
Format	Color
RYB	104, 127, 74
Decimal	8350794
CIELab	46.62, 2.37, 21.81
CIElCh	47, 21.935, 83.799
Yxy	15.7316, 0.3858, 0.3954
Android (android.graphics.Color)	4286540874 (0xFF7F6C4A)
YUV	109.8050, -17.6519, 15.0800
Hunter-Lab	39.6631, -0.3307, 14.7511

Details

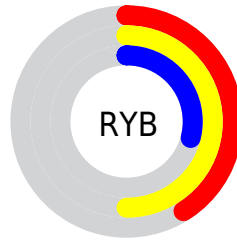
The Yxy color **15.7316, 0.3858, 0.3954** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **10.8125, 0.2458, 0.2515**, and the grayscale version is **15.5809, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0501, 0.3690, 0.3798**, and **4.9627, 0.4164, 0.4243** is the 20% darker color. If you saturate the color by 10%, you get **14.6435, 0.4065, 0.4106**, and if you desaturate by 10%, it is **16.9058, 0.3660, 0.3793**.

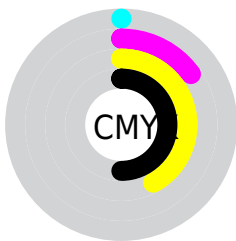
Distribution



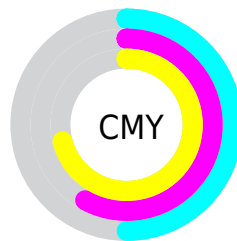
- Red (50%)
- Green (42%)
- Blue (29%)



- Red (41%)
- Yellow (50%)
- Blue (29%)



- Cyan (0%)
- Magenta (15%)
- Yellow (42%)
- Black (50%)





- Cyan (50%)
- Magenta (58%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.7316, 0.3858, 0.3954 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 15.7316, 0.3858, 0.3954 by changing the saturation by 10% instead.

 15.7316, 0.3858,
0.3954


 15.7316, 0.3858,
0.3954


227.7527, 0.3430,
0.3571


 9.3344, 0.3990,
0.4069


 36.1316, 0.3685,
0.3801


 4.9600, 0.4174,
0.4226

 50.9033, 0.3626,
0.3748


 2.2238, 0.4512,
0.4515

 69.2352, 0.3578,
0.3704

 0.7329, 0.5072,
0.4928

 91.5118, 0.3538,
0.3668

 0.0000, 0.0000,
0.0000

 118.1174, 0.3505,
0.3638

149.4365, 0.3476,

0.3612

185.8535, 0.3452,
0.3590

■ 15.7316, 0.3858,
0.3954

■ 15.7316, 0.3858,
0.3954

■ 14.6435, 0.4065,
0.4106

■ 16.9058, 0.3660,
0.3793

■ 13.6364, 0.4276,
0.4241

■ 18.1666, 0.3475,
0.3629

■ 12.7079, 0.4482,
0.4347

■ 19.5172, 0.3306,
0.3469

■ 11.8548, 0.4673,
0.4415

■ 20.9599, 0.3152,
0.3316

■ 11.0731, 0.4840,
0.4438

■ 22.4971, 0.3014,
0.3171

■ 10.4712, 0.4970,
0.4436

■ 24.1308, 0.2891,
0.3036

■ 25.8632, 0.2781,
0.2911

■ 27.6962, 0.2683,
0.2795

■ 29.6317, 0.2596,
0.2689

Harmonies

Analogous

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



15.7316, 0.4007, 0.3663



15.7316, 0.3858, 0.3954



15.7316, 0.3514, 0.4086

Triad

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



15.7316, 0.3858, 0.3954



15.7316, 0.2406, 0.3192



15.7316, 0.3125, 0.2718

Complementary

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



15.7316, 0.3858, 0.3954



10.8125, 0.2458, 0.2515

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.



15.7316, 0.2711, 0.2589



15.7316, 0.3858, 0.3954



15.7316, 0.2319, 0.2827

Square

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



15.7316, 0.3858, 0.3954



15.7316, 0.2678, 0.3627



15.7316, 0.2425, 0.2620



15.7316, 0.3569, 0.2974

Rectangle

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



15.7316, 0.3858, 0.3954



15.7316, 0.3227, 0.4039



15.7316, 0.2425, 0.2620



15.7316, 0.2978, 0.2658

Sweetspot

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



15.7323, 0.3858, 0.3954



34.5645, 0.3331, 0.3494



10.2062, 0.3756, 0.2905



7.9820, 0.3363, 0.3525



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



15.7323, 0.3858, 0.3954



26.3294, 0.4054, 0.4099



19.6578, 0.3630, 0.4309



4.7683, 0.3264, 0.3428



10.5598, 0.4970, 0.4436



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.8125, 0.2458, 0.2515



16.2895, 0.2298, 0.2301



8.1812, 0.2481, 0.2098



4.4443, 0.2993, 0.3148



3.4735, 0.1667, 0.1199



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 15.7316, 0.3858, 0.3954 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 15.7316, 0.3858, 0.3954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

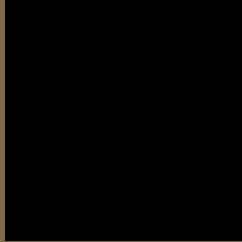
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.7316, 0.3858, 0.3954

Background



This preview shows how black text looks on a background with the Yxy color 15.7316, 0.3858, 0.3954.



This preview shows how white text looks on a background with the Yxy color 15.7316, 0.3858, 0.3954.

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

15.7316, 0.3858, 0.3954

Protanopia

15.8699, 0.3720, 0.4016

Deuteranopia

15.7080, 0.3948, 0.3899



Tritanopia

15.6735, 0.3422, 0.3140

Trichromacy



Original Color

15.7316, 0.3858, 0.3954

Protanomaly

15.8708, 0.3771, 0.3986

Deuteranomaly

15.7556, 0.3910, 0.3924

Tritanomaly

15.7308, 0.3585, 0.3426

Monochromacy



Original Color

15.7316, 0.3858, 0.3954

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.5133, 0.3381, 0.3537

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.7316, 0.3858, 0.3954 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(127, 108, 74)` looks like.

```
.text, #text, p{  
    color:rgb(127, 108, 74)  
}
```

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(127, 108, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 108, 74) }
```

Border

The CSS property to change the border of an element to Yxy 15.7316, 0.3858, 0.3954 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(127, 108, 74) }
```

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

```
.border{ border-color:rgb(127, 108, 74) }
```

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

Here you see how a box with a 4 pixel rgb(127, 108, 74) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 108, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 108, 74);  
box-shadow:4px 4px 4px 4px rgb(127, 108,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 15.7316, 0.3858, 0.3954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 108, 74) }
```

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

```
.background{ background-color: rgb(127,  
108, 74) }
```

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