

Converting Colors

$Y_{xy}(15.9170, 0.4510, 0.3877)$

Have a look what the booklet for
Yxy(15.9170, 0.4510, 0.3877)
contains.

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Color

Yxy(15.9532, 0.4508, 0.3874)

Conversions

Conversions Part 1

Format	Color
Hex	9A623E
RGB	154, 98, 62
RGB Percent	60%, 38%, 24%
CMY	0.3961, 0.6157, 0.7567
CMYK	0.00, 0.36, 0.60, 0.40
HSL	23°, 43%, 42%
HSV	23°, 60%, 60%
XYZ	18.5640, 15.9532, 6.6630
YIQ	110.6400, 44.9320, 0.6760

Conversions

Conversions Part 2

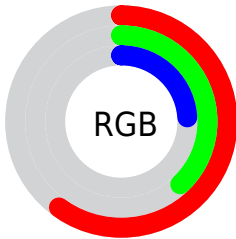
Format	Color
RYB	154, 121, 62
Decimal	10117694
CIELab	46.91, 18.92, 29.66
CIELCh	47, 35.180, 57.460
Yxy	15.9532, 0.4508, 0.3874
Android (android.graphics.Color)	4288307774 (0xFF9A623E)
YUV	110.6400, -23.9795, 38.0267
Hunter-Lab	39.9415, 13.0658, 18.0684

Details

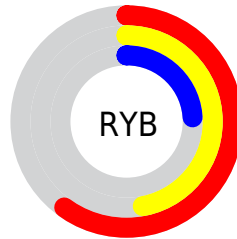
The Yxy color **15.9532, 0.4508, 0.3874** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **16.3216, 0.2249, 0.2567**, and the grayscale version is **15.8489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4696, 0.4187, 0.3777**, and **5.0608, 0.5080, 0.3998** is the 20% darker color. If you saturate the color by 10%, you get **14.1550, 0.4826, 0.3932**, and if you desaturate by 10%, it is **18.0066, 0.4205, 0.3790**.

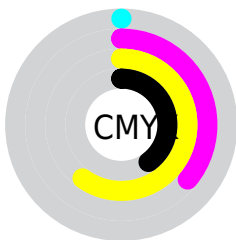
Distribution



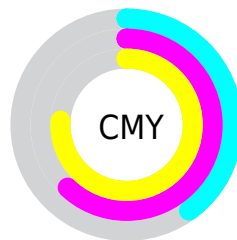
- Red (60%)
- Green (38%)
- Blue (24%)



- Red (60%)
- Yellow (47%)
- Blue (24%)



- Cyan (0%)
- Magenta (36%)
- Yellow (60%)
- Black (40%)





- Cyan (40%)
- Magenta (62%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9532, 0.4508, 0.3874 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 15.9532, 0.4508, 0.3874 by changing the saturation by 10% instead.


 15.9532, 0.4508,
0.3874


 15.9532, 0.4508,
0.3874


 229.0654, 0.3701,
0.3577


 9.4910, 0.4749,
0.3934


 36.5169, 0.4185,
0.3771


 5.0628, 0.5077,
0.3988

 51.3873, 0.4072,
0.3730


 2.2842, 0.5805,
0.4195

 69.8292, 0.3981,
0.3695

 0.7653, 0.6182,
0.3818

 92.2270, 0.3905,
0.3665

 0.0000, 1.0000,
0.0000

 118.9652, 0.3842,
0.3638

 0.0000, 0.0000,
0.0000

 150.4280, 0.3788,

0.3615

187.0000, 0.3741,
0.3595

■ 15.9532, 0.4508,
0.3874

■ 15.9532, 0.4508,
0.3874

■ 14.1550, 0.4826,
0.3932

■ 18.0066, 0.4205,
0.3790

■ 12.5982, 0.5143,
0.3953

■ 20.3230, 0.3929,
0.3692

■ 11.2713, 0.5434,
0.3926

■ 22.9132, 0.3683,
0.3587

■ 10.1549, 0.5690,
0.3860

■ 25.7862, 0.3468,
0.3483

■ 10.1260, 0.5698,
0.3858

■ 28.9507, 0.3283,
0.3382

■ 32.4151, 0.3123,
0.3287

■ 36.1874, 0.2986,
0.3199

■ 40.2752, 0.2868,
0.3118

■ 44.6859, 0.2767,
0.3043

Harmonies

Analogous

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



15.9532, 0.4411, 0.3347



15.9532, 0.4508, 0.3874



15.9532, 0.4198, 0.4342

Triad

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



15.9532, 0.4508, 0.3874



15.9532, 0.2348, 0.3746



15.9532, 0.2539, 0.2244

Complementary

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



15.9532, 0.4508, 0.3874



16.3216, 0.2249, 0.2567

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.



15.9532, 0.2094, 0.2241



15.9532, 0.4508, 0.3874



15.9532, 0.1988, 0.3019

Square

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



15.9532, 0.4508, 0.3874



15.9532, 0.2940, 0.4378



15.9532, 0.1906, 0.2492



15.9532, 0.3195, 0.2462

Rectangle

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



15.9532, 0.4508, 0.3874



15.9532, 0.3831, 0.4541



15.9532, 0.1906, 0.2492



15.9532, 0.2363, 0.2217

Sweetspot

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



15.9540, 0.4508, 0.3874



47.5929, 0.3441, 0.3469



11.6445, 0.3774, 0.2393



10.4324, 0.3496, 0.3497



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.



15.9540, 0.4508, 0.3874



24.6104, 0.4946, 0.3945



26.9436, 0.4044, 0.4529



6.5992, 0.3274, 0.3378



8.3159, 0.5684, 0.3869



0.1919, 0.4987, 0.4422

Inverse Universe

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



16.3216, 0.2249, 0.2567



25.2557, 0.2091, 0.2364



8.0922, 0.2043, 0.1622



6.6206, 0.2989, 0.3201



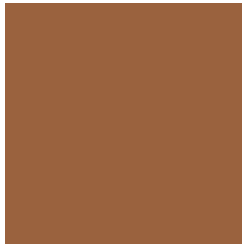
8.4600, 0.1885, 0.1985



0.1969, 0.2059, 0.2610

Previews

White Background



This preview shows how the Yxy color 15.9532, 0.4508, 0.3874 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 15.9532, 0.4508, 0.3874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

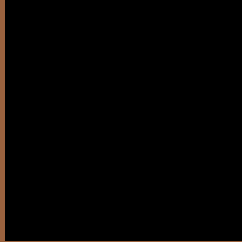
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9532, 0.4508, 0.3874

Background



This preview shows how black text looks on a background with the Yxy color 15.9532, 0.4508, 0.3874.



This preview shows how white text looks on a background with the Yxy color 15.9532, 0.4508, 0.3874.

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

15.9532, 0.4508, 0.3874

Protanopia

16.1312, 0.3842, 0.4178

Deuteranopia

15.9527, 0.4205, 0.4118



Tritanopia

15.9169, 0.4015, 0.3177

Trichromacy



Original Color

15.9532, 0.4508, 0.3874

Protanomaly

15.9654, 0.4088, 0.4068

Deuteranomaly

15.8771, 0.4311, 0.4022

Tritanomaly

15.9242, 0.4212, 0.3443

Monochromacy



Original Color

15.9532, 0.4508, 0.3874

Achromatopsia

15.8961, 0.3127, 0.3290

Achromatomaly

15.6104, 0.3608, 0.3546

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9532, 0.4508, 0.3874 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, 98, 62)` looks like.

```
.text, #text, p{  
    color:rgb(154, 98, 62)  
}
```

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, 98, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 98, 62) }
```

Border

The CSS property to change the border of an element to Yxy 15.9532, 0.4508, 0.3874 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, 98, 62) }
```

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

```
.border{ border-color:rgb(154, 98, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 98, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 98, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 98, 62);  
box-shadow:4px 4px 4px 4px rgb(154, 98,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9532, 0.4508, 0.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 98, 62) }
```

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

```
.background{ background-color: rgb(154, 98,  
62) }
```

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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