

Converting Colors

$Y_{xy}(18.8496, 0.4488, 0.3719)$

Have a look what the booklet for
Yxy(18.8496, 0.4488, 0.3719)
contains.

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Color

Yxy(18.7545, 0.4492, 0.3711)

Conversions

Conversions Part 1

Format	Color
Hex	AA674B
RGB	170, 103, 75
RGB Percent	67%, 40%, 29%
CMY	0.3332, 0.5961, 0.7058
CMYK	0.00, 0.39, 0.56, 0.33
HSL	18°, 39%, 48%
HSV	18°, 56%, 67%
XYZ	22.7015, 18.7545, 9.0816
YIQ	119.8410, 48.9200, 5.4960

Conversions

Conversions Part 2

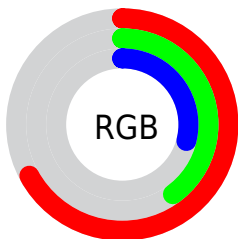
Format	Color
R _Y B	170, 115, 75
Decimal	11167563
CIE Lab	50.40, 24.02, 27.10
CIE LCh	50, 36.212, 48.442
Yxy	18.7545, 0.4492, 0.3711
Android (android.graphics.Color)	4289357643 (0xFFAA674B)
YUV	119.8410, -22.1066, 43.9894
Hunter-Lab	43.3065, 17.7844, 17.8811

Details

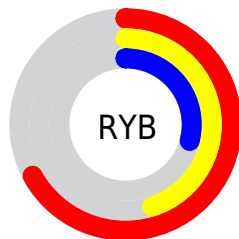
The Yxy color **18.7545, 0.4492, 0.3711** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **23.7569, 0.2329, 0.2789**, and the grayscale version is **18.7897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3919, 0.4179, 0.3653**, and **6.4035, 0.5036, 0.3776** is the 20% darker color. If you saturate the color by 10%, you get **16.3357, 0.4851, 0.3758**, and if you desaturate by 10%, it is **21.5798, 0.4162, 0.3644**.

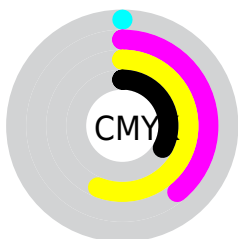
Distribution



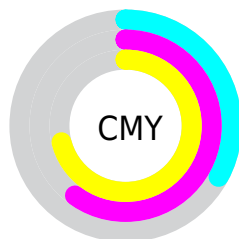
- Red (67%)
- Green (40%)
- Blue (29%)



- Red (67%)
- Yellow (45%)
- Blue (29%)



- Cyan (0%)
- Magenta (39%)
- Yellow (56%)
- Black (33%)




- Cyan (33%)
- Magenta (60%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.7545, 0.4492, 0.3711 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 18.7545, 0.4492, 0.3711 by changing the saturation by 10% instead.


 18.7545, 0.4492,
0.3711


 18.7545, 0.4492,
0.3711


245.0901, 0.3707,
0.3511


 11.4930, 0.4723,
0.3746


 41.3188, 0.4180,
0.3646

 6.3995, 0.5039,
0.3773


 57.3905, 0.4071,
0.3619

 3.0895, 0.5520,
0.3788

 77.1677, 0.3982,
0.3595

 1.1786, 0.6280,
0.3720

 101.0348, 0.3908,
0.3574

 0.0441, 0.9344,
0.0656

 129.3762, 0.3846,
0.3555

 0.0000, 0.0000,
0.0000

162.5762, 0.3793,

0.3539

201.0194, 0.3747,
0.3524

■ 18.7545, 0.4492,
0.3711

■ 18.7545, 0.4492,
0.3711

■ 16.3357, 0.4851,
0.3758

■ 21.5798, 0.4162,
0.3644

■ 14.3009, 0.5219,
0.3774

■ 24.8268, 0.3869,
0.3567

■ 12.6296, 0.5566,
0.3748

■ 28.5135, 0.3617,
0.3487

■ 11.2974, 0.5856,
0.3678

■ 32.6560, 0.3402,
0.3407

■ 10.8360, 0.5964,
0.3646

■ 37.2694, 0.3220,
0.3332

■ 42.3681, 0.3067,
0.3262

■ 47.9661, 0.2938,
0.3197

■ 54.0767, 0.2829,
0.3138

■ 60.7124, 0.2736,
0.3084

Harmonies

Analogous

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



18.7545, 0.4268, 0.3196



18.7545, 0.4492, 0.3711



18.7545, 0.4301, 0.4197

Triad

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



18.7545, 0.4492, 0.3711



18.7545, 0.2522, 0.3947



18.7545, 0.2396, 0.2241

Complementary

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



18.7545, 0.4492, 0.3711



23.7569, 0.2329, 0.2789

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.



18.7545, 0.2034, 0.2311



18.7545, 0.4492, 0.3711



18.7545, 0.2091, 0.3229

Square

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



18.7545, 0.4492, 0.3711



18.7545, 0.3145, 0.4459



18.7545, 0.1928, 0.2638



18.7545, 0.2986, 0.2395

Rectangle

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



18.7545, 0.4492, 0.3711



18.7545, 0.3990, 0.4441



18.7545, 0.1928, 0.2638



18.7545, 0.2248, 0.2238

Sweetspot

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



18.7555, 0.4492, 0.3711



58.1115, 0.3430, 0.3419



15.5681, 0.3571, 0.2310



12.6252, 0.3470, 0.3434



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



18.7555, 0.4492, 0.3711



28.7094, 0.4937, 0.3765



30.6895, 0.4071, 0.4357



7.8890, 0.3279, 0.3357



8.0553, 0.5945, 0.3662



0.2834, 0.5315, 0.4162

Inverse Universe

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



23.7569, 0.2329, 0.2789



38.5605, 0.2195, 0.2656



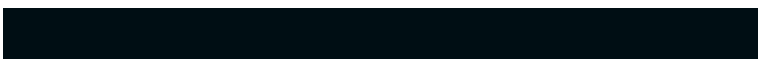
12.6914, 0.2144, 0.1902



8.1533, 0.2987, 0.3222



12.1044, 0.1978, 0.2319



0.3767, 0.2077, 0.2677

Previews

White Background



This preview shows how the Yxy color 18.7545, 0.4492, 0.3711 looks on a white background.

Color Contrast Check

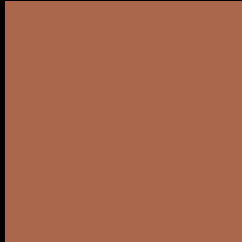
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 18.7545, 0.4492, 0.3711 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

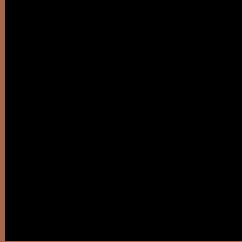
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.7545, 0.4492, 0.3711

Background



This preview shows how black text looks on a background with the Yxy color 18.7545, 0.4492, 0.3711.



This preview shows how white text looks on a background with the Yxy color 18.7545, 0.4492, 0.3711.

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

18.7545, 0.4492, 0.3711

Protanopia

18.7880, 0.3718, 0.4004

Deuteranopia

18.8535, 0.4085, 0.4014



Tritanopia

18.7349, 0.4095, 0.3187

Trichromacy



Original Color

18.7545, 0.4492, 0.3711

Protanomaly

18.6189, 0.4005, 0.3903

Deuteranomaly

18.8319, 0.4231, 0.3898

Tritanomaly

18.5985, 0.4242, 0.3369

Monochromacy



Original Color

18.7545, 0.4492, 0.3711

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.4374, 0.3578, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7545, 0.4492, 0.3711 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(170, 103, 75)` looks like.

```
.text, #text, p{  
    color:rgb(170, 103, 75)  
}
```

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(170, 103, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 103, 75) }
```

Border

The CSS property to change the border of an element to Yxy 18.7545, 0.4492, 0.3711 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(170, 103, 75) }
```

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

```
.border{ border-color:rgb(170, 103, 75) }
```

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

Here you see how a box with a 4 pixel rgb(170, 103, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 103, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 103, 75);  
box-shadow:4px 4px 4px 4px rgb(170, 103,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7545, 0.4492, 0.3711 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 103, 75) }
```

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

```
.background{ background-color: rgb(170,  
103, 75) }
```

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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