

Converting Colors

$Y_{xy}(19.3560, 0.4197, 0.3841)$

Have a look what the booklet for
Yxy(19.3560, 0.4197, 0.3841)
contains.

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Color

Yxy(19.3065, 0.4198, 0.3846)

Conversions

Conversions Part 1

Format	Color
Hex	9D704E
RGB	157, 112, 78
RGB Percent	62%, 44%, 31%
CMY	0.3843, 0.5608, 0.6942
CMYK	0.00, 0.29, 0.50, 0.38
HSL	26°, 34%, 46%
HSV	26°, 50%, 62%
XYZ	21.0735, 19.3065, 9.8189
YIQ	121.5790, 37.7340, -1.0340

Conversions

Conversions Part 2

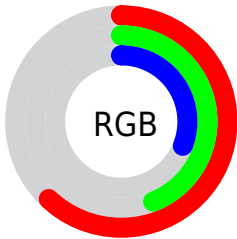
Format	Color
RYB	157, 138, 78
Decimal	10317902
CIELab	51.04, 13.64, 25.91
CIElCh	51, 29.278, 62.230
Yxy	19.3065, 0.4198, 0.3846
Android (android.graphics.Color)	4288507982 (0xFF9D704E)
YUV	121.5790, -21.4844, 31.0642
Hunter-Lab	43.9392, 8.7162, 17.5081

Details

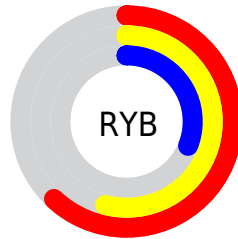
The Yxy color **19.3065, 0.4198, 0.3846** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.2123, 0.2361, 0.2637**, and the grayscale version is **19.3798, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.4056, 0.3955, 0.3735**, and **6.6602, 0.4617, 0.3993** is the 20% darker color. If you saturate the color by 10%, you get **17.2326, 0.4488, 0.3938**, and if you desaturate by 10%, it is **21.6319, 0.3930, 0.3738**.

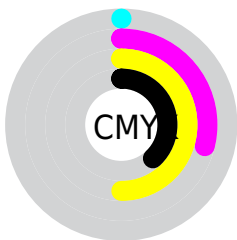
Distribution



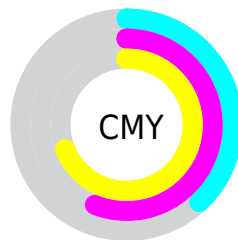
- Red (62%)
- Green (44%)
- Blue (31%)



- Red (62%)
- Yellow (54%)
- Blue (31%)



- Cyan (0%)
- Magenta (29%)
- Yellow (50%)
- Black (38%)





- Cyan (38%)
- Magenta (56%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.3065, 0.4198, 0.3846 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 19.3065, 0.4198, 0.3846 by changing the saturation by 10% instead.


 19.3065, 0.4198,
0.3846


 19.3065, 0.4198,
0.3846


248.1356, 0.3586,
0.3553


 11.8920, 0.4378,
0.3917


 42.2514, 0.3955,
0.3739

 6.6701, 0.4624,
0.4002


 58.5505, 0.3870,
0.3698

 3.2567, 0.4985,
0.4101

 78.5799, 0.3801,
0.3664

 1.2672, 0.5698,
0.4302

 102.7241, 0.3743,
0.3635

 0.1156, 0.7930,
0.2070

 131.3673, 0.3695,
0.3611

 0.0000, 0.0000,
0.0000

164.8941, 0.3653,

0.3589

203.6887, 0.3617,
0.3570

■ 19.3065, 0.4198,
0.3846

■ 19.3065, 0.4198,
0.3846

■ 17.2326, 0.4488,
0.3938

■ 21.6319, 0.3930,
0.3738

■ 15.3979, 0.4789,
0.4003

■ 24.2150, 0.3690,
0.3624

■ 13.7929, 0.5086,
0.4028

■ 27.0652, 0.3477,
0.3509

■ 12.4062, 0.5357,
0.4005

■ 30.1904, 0.3292,
0.3398

■ 11.2550, 0.5589,
0.3944

■ 33.5983, 0.3132,
0.3293

■ 37.2963, 0.2994,
0.3196

■ 41.2914, 0.2874,
0.3105

■ 45.5903, 0.2771,
0.3022

■ 50.1996, 0.2681,
0.2947

Harmonies

Analogous

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



19.3065, 0.4164, 0.3424



19.3065, 0.4198, 0.3846



19.3065, 0.3925, 0.4179

Triad

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



19.3065, 0.4198, 0.3846



19.3065, 0.2454, 0.3557



19.3065, 0.2740, 0.2462

Complementary

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



19.3065, 0.4198, 0.3846



18.2123, 0.2361, 0.2637

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.



19.3065, 0.2343, 0.2437



19.3065, 0.4198, 0.3846



19.3065, 0.2189, 0.3013

Square

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



19.3065, 0.4198, 0.3846



19.3065, 0.2910, 0.4058



19.3065, 0.2153, 0.2618



19.3065, 0.3278, 0.2666

Rectangle

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



19.3065, 0.4198, 0.3846



19.3065, 0.3622, 0.4285



19.3065, 0.2153, 0.2618



19.3065, 0.2587, 0.2432

Sweetspot

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



19.3074, 0.4198, 0.3846



51.2312, 0.3381, 0.3453



14.0708, 0.3680, 0.2555



11.0351, 0.3417, 0.3474



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.



19.3074, 0.4198, 0.3846



30.5754, 0.4512, 0.3945



29.6637, 0.3891, 0.4397



7.0924, 0.3274, 0.3387



9.2119, 0.5576, 0.3955



0.2471, 0.4937, 0.4462

Inverse Universe

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



18.2123, 0.2361, 0.2637



28.3635, 0.2212, 0.2465



10.4813, 0.2214, 0.1865



7.0306, 0.2988, 0.3191



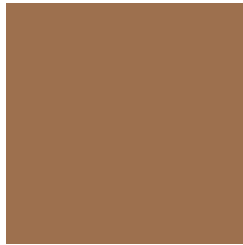
7.9081, 0.1846, 0.1846



0.2245, 0.2023, 0.2482

Previews

White Background



This preview shows how the Yxy color 19.3065, 0.4198, 0.3846 looks on a white background.

Color Contrast Check

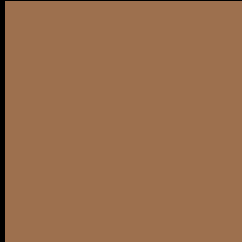
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.3065, 0.4198, 0.3846 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 19.3065, 0.4198, 0.3846

Background



This preview shows how black text looks on a background with the Yxy color 19.3065, 0.4198, 0.3846.



This preview shows how white text looks on a background with the Yxy color 19.3065, 0.4198, 0.3846.

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

19.3065, 0.4198, 0.3846

Protanopia

19.4338, 0.3733, 0.4030

Deuteranopia

19.2296, 0.4041, 0.3961



Tritanopia

19.2268, 0.3758, 0.3162

Trichromacy



Original Color

19.3065, 0.4198, 0.3846

Protanomaly

19.2137, 0.3894, 0.3949

Deuteranomaly

19.3766, 0.4104, 0.3930

Tritanomaly

19.2675, 0.3919, 0.3407

Monochromacy



Original Color

19.3065, 0.4198, 0.3846

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.1484, 0.3496, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.3065, 0.4198, 0.3846 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(157, 112, 78)` looks like.

```
.text, #text, p{  
    color:rgb(157, 112, 78)  
}
```

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(157, 112, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 112, 78) }
```

Border

The CSS property to change the border of an element to Yxy 19.3065, 0.4198, 0.3846 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(157, 112, 78) }
```

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

```
.border{ border-color:rgb(157, 112, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 112, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 112, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 112, 78);  
box-shadow:4px 4px 4px 4px rgb(157, 112,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 19.3065, 0.4198, 0.3846 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 112, 78) }
```

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

```
.background{ background-color: rgb(157,  
112, 78) }
```

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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