

Converting Colors

$Y_{xy}(18.9429, 0.4406, 0.4037)$

Have a look what the booklet for
Yxy(18.9429, 0.4406, 0.4037)
contains.

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Color

Yxy(18.9969, 0.4404, 0.4045)

Conversions

Conversions Part 1

Format	Color
Hex	9E6F3F
RGB	158, 111, 63
RGB Percent	62%, 44%, 25%
CMY	0.3804, 0.5647, 0.7528
CMYK	0.00, 0.30, 0.60, 0.38
HSL	30°, 43%, 43%
HSV	30°, 60%, 62%
XYZ	20.6829, 18.9969, 7.2841
YIQ	119.5810, 43.4200, -4.9640

Conversions

Conversions Part 2

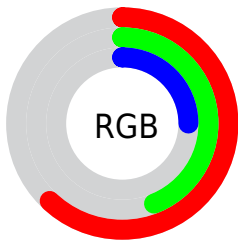
Format	Color
R _Y B	156, 158, 63
Decimal	10383167
CIE Lab	50.68, 13.31, 33.78
CIE LCh	51, 36.310, 68.491
Yxy	18.9969, 0.4404, 0.4045
Android (android.graphics.Color)	4288573247 (0xFF9E6F3F)
YUV	119.5810, -27.8944, 33.6935
Hunter-Lab	43.5854, 8.4304, 20.6011

Details

The Yxy color **18.9969, 0.4404, 0.4045** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.6850, 0.2193, 0.2333**, and the grayscale version is **18.7234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8113, 0.4119, 0.3910**, and **6.4790, 0.4872, 0.4224** is the 20% darker color. If you saturate the color by 10%, you get **17.2133, 0.4672, 0.4127**, and if you desaturate by 10%, it is **20.9825, 0.4142, 0.3936**.

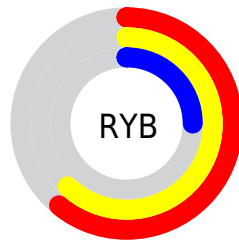
Distribution



Red (62%)

Green (44%)

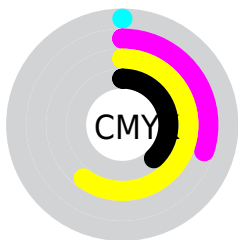
Blue (25%)



Red (61%)

Yellow (62%)

Blue (25%)

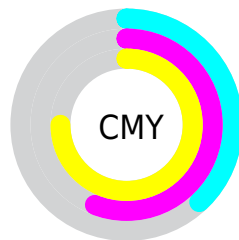


Cyan (0%)

Magenta (30%)

Yellow (60%)

Black (38%)



Cyan (38%)


Magenta (56%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9969, 0.4404, 0.4045 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 18.9969, 0.4404, 0.4045 by changing the saturation by 10% instead.


 18.9969, 0.4404,
0.4045

 18.9969, 0.4404,
0.4045


246.4316, 0.3682,
0.3654


 11.6680, 0.4606,
0.4133


 41.7289, 0.4123,
0.3905

 6.5181, 0.4871,
0.4229


 57.9007, 0.4023,
0.3851


 3.1626, 0.5377,
0.4439

 77.7891, 0.3940,
0.3805

 1.2172, 0.5690,
0.4310

 101.7783, 0.3871,
0.3766

 0.0757, 0.8399,
0.1601

 130.2528, 0.3813,
0.3732

 0.0000, 0.0000,
0.0000

 163.5969, 0.3763,

0.3703

202.1951, 0.3720,
0.3677

■ 18.9969, 0.4404,
0.4045

■ 18.9969, 0.4404,
0.4045

■ 17.2133, 0.4672,
0.4127

■ 20.9825, 0.4142,
0.3936

■ 15.6206, 0.4932,
0.4169

■ 23.1748, 0.3895,
0.3810

■ 14.2105, 0.5168,
0.4162

■ 25.5820, 0.3669,
0.3677

■ 12.9784, 0.5375,
0.4114

■ 28.2107, 0.3466,
0.3543

■ 31.0672, 0.3287,
0.3414

■ 34.1575, 0.3129,
0.3291

■ 37.4875, 0.2991,
0.3177

■ 41.0627, 0.2870,
0.3070

■ 44.8884, 0.2765,
0.2973

Harmonies

Analogous

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



18.9969, 0.4463, 0.3539



18.9969, 0.4404, 0.4045



18.9969, 0.3988, 0.4440

Triad

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



18.9969, 0.4404, 0.4045



18.9969, 0.2207, 0.3466



18.9969, 0.2771, 0.2323

Complementary

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



18.9969, 0.4404, 0.4045



14.6850, 0.2193, 0.2333

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.



18.9969, 0.2250, 0.2239



18.9969, 0.4404, 0.4045



18.9969, 0.1953, 0.2808

Square

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



18.9969, 0.4404, 0.4045



18.9969, 0.2715, 0.4156



18.9969, 0.1971, 0.2391



18.9969, 0.3455, 0.2605

Rectangle

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



18.9969, 0.4404, 0.4045



18.9969, 0.3587, 0.4547



18.9969, 0.1971, 0.2391



18.9969, 0.2573, 0.2271

Sweetspot

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



18.9978, 0.4404, 0.4045



52.1101, 0.3433, 0.3520



11.9649, 0.3991, 0.2551



11.4365, 0.3486, 0.3557



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



18.9978, 0.4404, 0.4045



30.2668, 0.4760, 0.4146



32.0818, 0.3959, 0.4665



7.1721, 0.3272, 0.3403



10.4735, 0.5363, 0.4124



0.2719, 0.4803, 0.4569

Inverse Universe

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



14.6850, 0.2193, 0.2333



21.7261, 0.2018, 0.2076



7.0853, 0.1990, 0.1409



6.9502, 0.2988, 0.3174



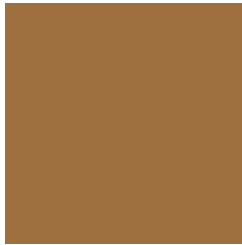
6.4416, 0.1776, 0.1595



0.1997, 0.1976, 0.2314

Previews

White Background



This preview shows how the Yxy color 18.9969, 0.4404, 0.4045 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 18.9969, 0.4404, 0.4045 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

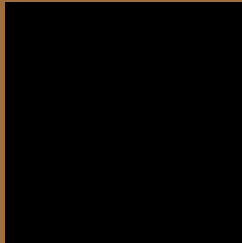
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.9969, 0.4404, 0.4045

Background



This preview shows how black text looks on a background with the Yxy color 18.9969, 0.4404, 0.4045.



This preview shows how white text looks on a background with the Yxy color 18.9969, 0.4404, 0.4045.

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

18.9969, 0.4404, 0.4045

Protanopia

19.0546, 0.3935, 0.4286

Deuteranopia

18.9988, 0.4254, 0.4167



Tritanopia

18.9768, 0.3823, 0.3164

Trichromacy



Original Color

18.9969, 0.4404, 0.4045

Protanomaly

18.8550, 0.4105, 0.4191

Deuteranomaly

19.0578, 0.4304, 0.4135

Tritanomaly

18.9187, 0.4059, 0.3487

Monochromacy



Original Color

18.9969, 0.4404, 0.4045

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.6918, 0.3576, 0.3624

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9969, 0.4404, 0.4045 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(158, 111, 63)` looks like.

```
.text, #text, p{  
    color:rgb(158, 111, 63)  
}
```

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(158, 111, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 111, 63) }
```

Border

The CSS property to change the border of an element to Yxy 18.9969, 0.4404, 0.4045 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(158, 111, 63) }
```

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

```
.border{ border-color:rgb(158, 111, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 111, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 111, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 111, 63);  
box-shadow:4px 4px 4px 4px rgb(158, 111,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9969, 0.4404, 0.4045 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 111, 63) }
```

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

```
.background{ background-color: rgb(158,  
111, 63) }
```

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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