

Converting Colors

$Y_{xy}(18.7846, 0.4390, 0.4069)$

Have a look what the booklet for
Yxy(18.7846, 0.4390, 0.4069)
contains.

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Color

Yxy(18.7846, 0.4390, 0.4069)

Conversions

Conversions Part 1

Format	Color
Hex	9C6F3E
RGB	156, 111, 62
RGB Percent	61%, 44%, 24%
CMY	0.3882, 0.5647, 0.7569
CMYK	0.00, 0.29, 0.60, 0.39
HSL	31°, 43%, 43%
HSV	31°, 60%, 61%
XYZ	20.2665, 18.7846, 7.1140
YIQ	118.8690, 42.5490, -5.6990

Conversions

Conversions Part 2

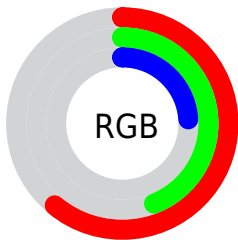
Format	Color
R_{YB}	148, 156, 62
Decimal	10252094
CIE _{Lab}	50.43, 12.36, 33.99
CIE _{LCh}	50, 36.165, 70.022
Yxy	18.7846, 0.4390, 0.4069
Android (android.graphics.Color)	4288442174 (0xFF9C6F3E)
YUV	118.8690, -28.0364, 32.5639
Hunter-Lab	43.3412, 7.6201, 20.6069

Details

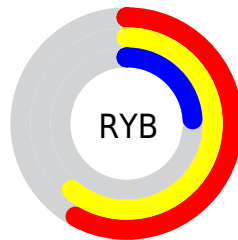
The Yxy color **18.7846, 0.4390, 0.4069** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **13.9431, 0.2184, 0.2299**, and the grayscale version is **18.4850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.4882, 0.4108, 0.3927**, and **6.3591, 0.4847, 0.4258** is the 20% darker color. If you saturate the color by 10%, you get **17.0755, 0.4651, 0.4154**, and if you desaturate by 10%, it is **20.6811, 0.4134, 0.3956**.

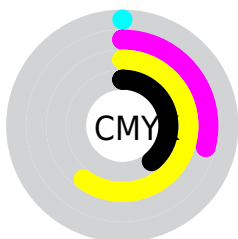
Distribution



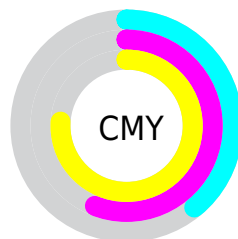
- Red (61%)
- Green (44%)
- Blue (24%)



- Red (58%)
- Yellow (61%)
- Blue (24%)



- Cyan (0%)
- Magenta (29%)
- Yellow (60%)
- Black (39%)




- Cyan (39%)
- Magenta (56%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.7846, 0.4390, 0.4069 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 18.7846, 0.4390, 0.4069 by changing the saturation by 10% instead.


 18.7846, 0.4390,
0.4069


 18.7846, 0.4390,
0.4069


245.2570, 0.3676,
0.3662


 11.5147, 0.4590,
0.4162


 41.3698, 0.4112,
0.3923


 6.4142, 0.4851,
0.4264


 57.4539, 0.4013,
0.3867

 3.0985, 0.5371,
0.4503

 77.2450, 0.3931,
0.3819

 1.1834, 0.5642,
0.4358

 101.1272, 0.3863,
0.3779

 0.0481, 0.8784,
0.1216

 129.4852, 0.3805,
0.3743

 0.0000, 0.0000,
0.0000

 162.7032, 0.3756,

0.3713

201.1657, 0.3713,
0.3686

■ 18.7846, 0.4390,
0.4069

■ 18.7846, 0.4390,
0.4069

■ 17.0755, 0.4651,
0.4154

■ 20.6811, 0.4134,
0.3956

■ 15.5434, 0.4902,
0.4199

■ 22.7692, 0.3891,
0.3827

■ 14.1806, 0.5130,
0.4195

■ 25.0564, 0.3668,
0.3690

■ 13.0010, 0.5327,
0.4152

■ 27.5489, 0.3467,
0.3553

■ 30.2525, 0.3289,
0.3420

■ 33.1727, 0.3131,
0.3293

■ 36.3150, 0.2993,
0.3175

■ 39.6843, 0.2872,
0.3065

■ 43.2857, 0.2766,
0.2964

Harmonies

Analogous

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



18.7846, 0.4470, 0.3565



18.7846, 0.4390, 0.4069



18.7846, 0.3960, 0.4453

Triad

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



18.7846, 0.4390, 0.4069



18.7846, 0.2188, 0.3429



18.7846, 0.2803, 0.2333

Complementary

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



18.7846, 0.4390, 0.4069



13.9431, 0.2184, 0.2299

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.



18.7846, 0.2271, 0.2238



18.7846, 0.4390, 0.4069



18.7846, 0.1948, 0.2781

Square

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



18.7846, 0.4390, 0.4069



18.7846, 0.2684, 0.4126



18.7846, 0.1979, 0.2377



18.7846, 0.3491, 0.2624

Rectangle

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



18.7846, 0.4390, 0.4069



18.7846, 0.3553, 0.4547



18.7846, 0.1979, 0.2377



18.7846, 0.2602, 0.2278

Sweetspot

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



18.7855, 0.4390, 0.4069



50.9319, 0.3432, 0.3527



11.5850, 0.4024, 0.2574



10.9234, 0.3483, 0.3564



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.



18.7855, 0.4390, 0.4069



30.0934, 0.4732, 0.4173



31.0444, 0.3942, 0.4676



7.1894, 0.3272, 0.3407



10.7763, 0.5317, 0.4161



0.2772, 0.4776, 0.4590

Inverse Universe

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



13.9431, 0.2184, 0.2299



20.5280, 0.2008, 0.2037



6.9208, 0.2002, 0.1412



6.9330, 0.2988, 0.3171



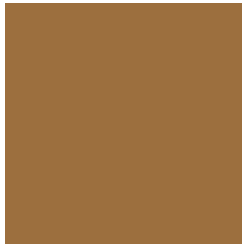
6.1569, 0.1762, 0.1543



0.1944, 0.1966, 0.2276

Previews

White Background



This preview shows how the Yxy color 18.7846, 0.4390, 0.4069 looks on a white background.

Color Contrast Check

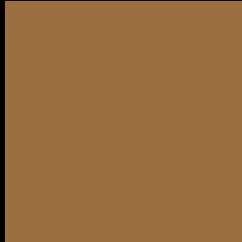
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7846, 0.4390, 0.4069 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 18.7846, 0.4390, 0.4069

Background



This preview shows how black text looks on a background with the Yxy color 18.7846, 0.4390, 0.4069.



This preview shows how white text looks on a background with the Yxy color 18.7846, 0.4390, 0.4069.

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

18.7846, 0.4390, 0.4069

Protanopia

18.8011, 0.3954, 0.4287

Deuteranopia

18.8943, 0.4251, 0.4187



Tritanopia

18.7690, 0.3796, 0.3162

Trichromacy



Original Color

18.7846, 0.4390, 0.4069

Protanomaly

18.7555, 0.4103, 0.4211

Deuteranomaly

18.9509, 0.4302, 0.4155

Tritanomaly

18.6945, 0.4046, 0.3505

Monochromacy



Original Color

18.7846, 0.4390, 0.4069

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.2782, 0.3566, 0.3628

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.7846, 0.4390, 0.4069 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(156, 111, 62)` looks like.

```
.text, #text, p{  
    color:rgb(156, 111, 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(156, 111, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 111, 62) }
```

Border

The CSS property to change the border of an element to Yxy 18.7846, 0.4390, 0.4069 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(156, 111, 62) }
```

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

```
.border{ border-color:rgb(156, 111, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 111, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 111, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 111, 62);  
box-shadow:4px 4px 4px 4px rgb(156, 111,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 18.7846, 0.4390, 0.4069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 111, 62) }
```

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

```
.background{ background-color: rgb(156,  
111, 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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