

Converting Colors

$Y_{xy}(19.7237, 0.4391, 0.3923)$

Have a look what the booklet for
Yxy(19.7237, 0.4391, 0.3923)
contains.

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Color

Yxy(19.7036, 0.4399, 0.3922)

Conversions

Conversions Part 1

Format	Color
Hex	A46F46
RGB	164, 111, 70
RGB Percent	64%, 44%, 27%
CMY	0.3569, 0.5647, 0.7254
CMYK	0.00, 0.32, 0.57, 0.36
HSL	26°, 40%, 46%
HSV	26°, 57%, 64%
XYZ	22.1000, 19.7036, 8.4351
YIQ	122.1730, 44.7490, -1.5150

Conversions

Conversions Part 2

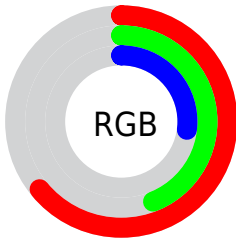
Format	Color
RYB	164, 143, 70
Decimal	10776390
CIELab	51.50, 16.51, 31.12
CIELCh	52, 35.229, 62.055
Yxy	19.7036, 0.4399, 0.3922
Android (android.graphics.Color)	4288966470 (0xFFA46F46)
YUV	122.1730, -25.7213, 36.6823
Hunter-Lab	44.3887, 11.1902, 19.8054

Details

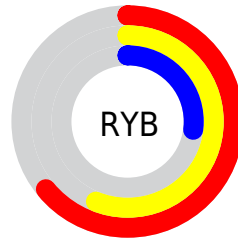
The Yxy color **19.7036, 0.4399, 0.3922** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.1513, 0.2258, 0.2513**, and the grayscale version is **19.5973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0559, 0.4123, 0.3813**, and **6.8722, 0.4888, 0.4072** is the 20% darker color. If you saturate the color by 10%, you get **17.6101, 0.4697, 0.3997**, and if you desaturate by 10%, it is **22.0645, 0.4115, 0.3823**.

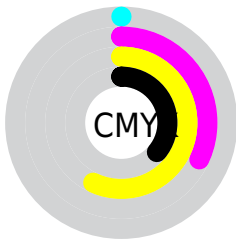
Distribution



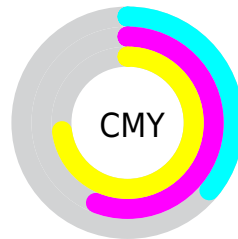
- Red (64%)
- Green (44%)
- Blue (27%)



- Red (64%)
- Yellow (56%)
- Blue (27%)



- Cyan (0%)
- Magenta (32%)
- Yellow (57%)
- Black (36%)




- Cyan (36%)
- Magenta (56%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7036, 0.4399, 0.3922 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 19.7036, 0.4399, 0.3922 by changing the saturation by 10% instead.


 19.7036, 0.4399,
0.3922


 19.7036, 0.4399,
0.3922


250.3060, 0.3678,
0.3601


 12.1798, 0.4604,
0.3992


 42.9197, 0.4117,
0.3809


 6.8662, 0.4878,
0.4067


 59.3807, 0.4017,
0.3765


 3.3786, 0.5312,
0.4174

 79.5896, 0.3935,
0.3727

 1.3324, 0.5843,
0.4157

 103.9308, 0.3866,
0.3695

 0.1661, 0.7715,
0.2285

 132.7886, 0.3808,
0.3666

 0.0000, 0.0000,
0.0000

166.5475, 0.3759,

0.3642

205.5918, 0.3716,
0.3620

■ 19.7036, 0.4399,
0.3922

■ 19.7036, 0.4399,
0.3922

■ 17.6101, 0.4697,
0.3997

■ 22.0645, 0.4115,
0.3823

■ 15.7702, 0.4996,
0.4036

■ 24.7003, 0.3856,
0.3711

■ 14.1725, 0.5274,
0.4028

■ 27.6214, 0.3624,
0.3594

■ 12.8016, 0.5515,
0.3970

■ 30.8369, 0.3419,
0.3478

■ 12.4659, 0.5579,
0.3952

■ 34.3555, 0.3242,
0.3367

■ 38.1855, 0.3088,
0.3263

■ 42.3346, 0.2955,
0.3165

■ 46.8105, 0.2840,
0.3076

■ 51.6206, 0.2741,
0.2994

Harmonies

Analogous

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



19.7036, 0.4367, 0.3427



19.7036, 0.4399, 0.3922



19.7036, 0.4065, 0.4333

Triad

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



19.7036, 0.4399, 0.3922



19.7036, 0.2330, 0.3610



19.7036, 0.2661, 0.2322

Complementary

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



19.7036, 0.4399, 0.3922



18.1513, 0.2258, 0.2513

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.



19.7036, 0.2204, 0.2289



19.7036, 0.4399, 0.3922



19.7036, 0.2027, 0.2950

Square

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



19.7036, 0.4399, 0.3922



19.7036, 0.2862, 0.4228



19.7036, 0.1987, 0.2491



19.7036, 0.3297, 0.2557

Rectangle

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



19.7036, 0.4399, 0.3922



19.7036, 0.3703, 0.4480



19.7036, 0.1987, 0.2491



19.7036, 0.2484, 0.2287

Sweetspot

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



19.7046, 0.4399, 0.3922



55.9676, 0.3420, 0.3478



13.7115, 0.3823, 0.2485



11.9871, 0.3456, 0.3500



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



19.7046, 0.4399, 0.3922



30.9197, 0.4787, 0.4013



32.6975, 0.3978, 0.4548



7.5704, 0.3275, 0.3388



9.6501, 0.5563, 0.3965



0.2962, 0.4965, 0.4440

Inverse Universe

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



18.1513, 0.2258, 0.2513



27.7676, 0.2094, 0.2298



9.1906, 0.2065, 0.1604



7.4915, 0.2987, 0.3190



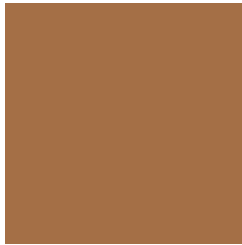
8.0835, 0.1840, 0.1825



0.2617, 0.2004, 0.2414

Previews

White Background



This preview shows how the Yxy color 19.7036, 0.4399, 0.3922 looks on a white background.

Color Contrast Check

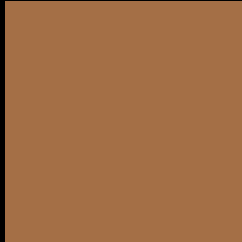
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.7036, 0.4399, 0.3922 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

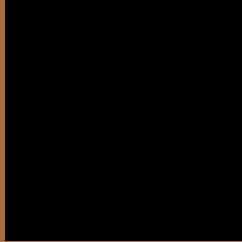
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7036, 0.4399, 0.3922

Background



This preview shows how black text looks on a background with the Yxy color 19.7036, 0.4399, 0.3922.



This preview shows how white text looks on a background with the Yxy color 19.7036, 0.4399, 0.3922.

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

19.7036, 0.4399, 0.3922

Protanopia

19.8112, 0.3858, 0.4174

Deuteranopia

19.6363, 0.4168, 0.4090



Tritanopia

19.7385, 0.3871, 0.3167

Trichromacy



Original Color

19.7036, 0.4399, 0.3922

Protanomaly

19.7857, 0.4050, 0.4077

Deuteranomaly

19.6597, 0.4254, 0.4036

Tritanomaly

19.7140, 0.4077, 0.3450

Monochromacy



Original Color

19.7036, 0.4399, 0.3922

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.2545, 0.3561, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7036, 0.4399, 0.3922 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(164, 111, 70)` looks like.

```
.text, #text, p{  
    color:rgb(164, 111, 70)  
}
```

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(164, 111, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 111, 70) }
```

Border

The CSS property to change the border of an element to Yxy 19.7036, 0.4399, 0.3922 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(164, 111, 70) }
```

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

```
.border{ border-color:rgb(164, 111, 70) }
```

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

Here you see how a box with a 4 pixel rgb(164, 111, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 111, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 111, 70);  
box-shadow:4px 4px 4px 4px rgb(164, 111,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7036, 0.4399, 0.3922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 111, 70) }
```

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

```
.background{ background-color: rgb(164,  
111, 70) }
```

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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