

Converting Colors

$Y_{xy}(22.2573, 0.3969, 0.3994)$

Have a look what the booklet for
Yxy(22.2573, 0.3969, 0.3994)
contains.

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Color

Yxy(22.3185, 0.3971, 0.4000)

Conversions

Conversions Part 1

Format	Color
Hex	997E53
RGB	153, 126, 83
RGB Percent	60%, 49%, 33%
CMY	0.4001, 0.5058, 0.6746
CMYK	0.00, 0.18, 0.46, 0.40
HSL	37°, 30%, 46%
HSV	37°, 46%, 60%
XYZ	22.1567, 22.3185, 11.3211
YIQ	129.1710, 29.8950, -7.6490

Conversions

Conversions Part 2

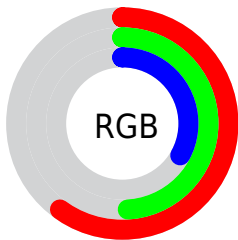
Format	Color
R_{YB}	127, 153, 83
Decimal	10059347
CIE _{Lab}	54.36, 4.43, 27.27
CIE _{LCh}	54, 27.628, 80.769
Yxy	22.3185, 0.3971, 0.4000
Android (android.graphics.Color)	4288249427 (0xFF997E53)
YUV	129.1710, -22.7623, 20.8980
Hunter-Lab	47.2425, 1.0421, 18.8616

Details

The Yxy color $22.3185, 0.3971, 0.4000$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $15.2821, 0.2383, 0.2446$, and the grayscale version is $22.0893, 0.3127, 0.3290$.

A 20% lighter version of the original color is $47.4890, 0.3791, 0.3860$, and $8.1507, 0.4275, 0.4227$ is the 20% darker color. If you saturate the color by 10%, you get $20.6449, 0.4193, 0.4142$, and if you desaturate by 10%, it is $24.1352, 0.3758, 0.3845$.

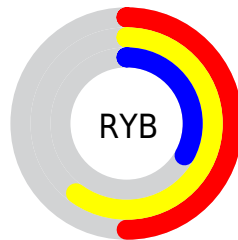
Distribution



Red (60%)

Green (49%)

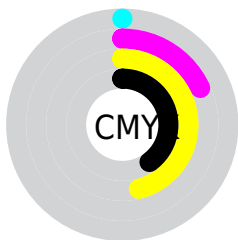
Blue (33%)



Red (50%)

Yellow (60%)

Blue (33%)

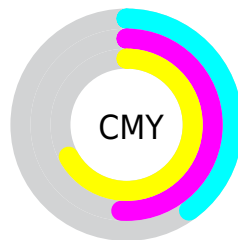


Cyan (0%)

Magenta (18%)

Yellow (46%)

Black (40%)



Cyan (40%)


Magenta (51%)


Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.3185, 0.3971, 0.4000 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 22.3185, 0.3971, 0.4000 by changing the saturation by 10% instead.


 22.3185, 0.3971,
0.4000


 22.3185, 0.3971,
0.4000


264.2051, 0.3502,
0.3615


 14.0911, 0.4102,
0.4103


 47.2718, 0.3790,
0.3854

 8.1841, 0.4277,
0.4235


 64.7666, 0.3725,
0.3801

 4.2130, 0.4516,
0.4406

 86.1193, 0.3671,
0.3757

 1.7934, 0.5123,
0.4877

 111.7142, 0.3627,
0.3719

 0.4830, 0.5401,
0.4599

 141.9359, 0.3589,
0.3688

 0.0000, 0.0000,
0.0000

177.1687, 0.3556,

0.3660

217.7969, 0.3527,
0.3636

■ 22.3185, 0.3971,
0.4000

■ 22.3185, 0.3971,
0.4000

■ 20.6449, 0.4193,
0.4142

■ 24.1352, 0.3758,
0.3845

■ 19.1063, 0.4416,
0.4260

■ 26.0965, 0.3560,
0.3685

■ 17.6984, 0.4630,
0.4344

■ 28.2078, 0.3378,
0.3527

■ 16.4149, 0.4825,
0.4383

■ 30.4733, 0.3214,
0.3374

■ 15.2481, 0.4991,
0.4374

■ 32.8967, 0.3067,
0.3230

■ 14.7813, 0.5060,
0.4364

■ 35.4820, 0.2936,
0.3094

■ 38.2325, 0.2820,
0.2969

■ 41.1519, 0.2717,
0.2854

■ 44.2434, 0.2626,
0.2748

Harmonies

Analogous

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



22.3185, 0.4115, 0.3659



22.3185, 0.3971, 0.4000



22.3185, 0.3601, 0.4180

Triad

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



22.3185, 0.3971, 0.4000



22.3185, 0.2346, 0.3224



22.3185, 0.3072, 0.2634

Complementary

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



22.3185, 0.3971, 0.4000



15.2821, 0.2383, 0.2446

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.



22.3185, 0.2621, 0.2507



22.3185, 0.3971, 0.4000



22.3185, 0.2229, 0.2803

Square

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



22.3185, 0.3971, 0.4000



22.3185, 0.2663, 0.3717



22.3185, 0.2326, 0.2558



22.3185, 0.3574, 0.2904

Rectangle

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



22.3185, 0.3971, 0.4000



22.3185, 0.3284, 0.4153



22.3185, 0.2326, 0.2558



22.3185, 0.2909, 0.2574

Sweetspot

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



22.3196, 0.3971, 0.4000



51.1093, 0.3353, 0.3504



14.1031, 0.3823, 0.2823



11.1128, 0.3387, 0.3535



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



22.3196, 0.3971, 0.4000



36.8846, 0.4200, 0.4146



29.5120, 0.3708, 0.4412



6.8228, 0.3269, 0.3427



12.2847, 0.5052, 0.4370



0.2538, 0.4606, 0.4725

Inverse Universe

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



15.2821, 0.2383, 0.2446



22.6794, 0.2212, 0.2213



10.6572, 0.2365, 0.1930



6.3972, 0.2988, 0.3150



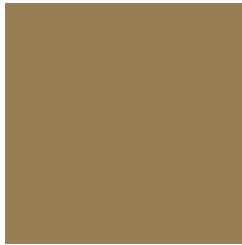
4.5438, 0.1683, 0.1259



0.1351, 0.1910, 0.2074

Previews

White Background



This preview shows how the Yxy color 22.3185, 0.3971, 0.4000 looks on a white background.

Color Contrast Check

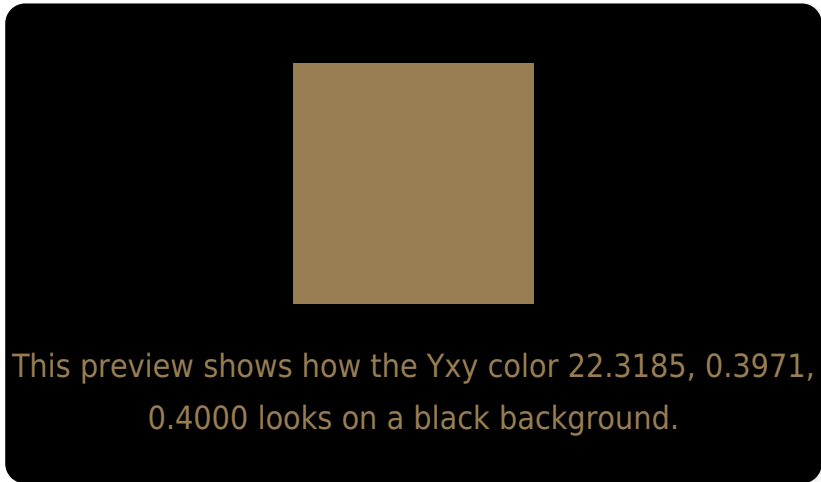
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 22.3185, 0.3971, 0.4000

Background



This preview shows how black text looks on a background with the Yxy color 22.3185, 0.3971, 0.4000.



This preview shows how white text looks on a background with the Yxy color 22.3185, 0.3971, 0.4000.

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

22.3185, 0.3971, 0.4000

Protanopia

22.3719, 0.3780, 0.4070

Deuteranopia

22.2079, 0.4038, 0.3955



Tritanopia

22.1860, 0.3486, 0.3146

Trichromacy



Original Color

22.3185, 0.3971, 0.4000

Protanomaly

22.4516, 0.3849, 0.4056

Deuteranomaly

22.3597, 0.4017, 0.3973

Tritanomaly

22.1568, 0.3680, 0.3456

Monochromacy



Original Color

22.3185, 0.3971, 0.4000

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.0115, 0.3429, 0.3573

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.3185, 0.3971, 0.4000 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(153, 126, 83)` looks like.

```
.text, #text, p{  
    color:rgb(153, 126, 83)  
}
```

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(153, 126, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 126, 83) }
```

Border

The CSS property to change the border of an element to Yxy 22.3185, 0.3971, 0.4000 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(153, 126, 83) }
```

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

```
.border{ border-color:rgb(153, 126, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 126, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 126, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 126, 83);  
box-shadow:4px 4px 4px 4px rgb(153, 126,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 22.3185, 0.3971, 0.4000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 126, 83) }
```

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

```
.background{ background-color: rgb(153,  
126, 83) }
```

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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