

Converting Colors

$Y_{xy}(22.9826, 0.4169, 0.3681)$

Have a look what the booklet for
Yxy(22.9826, 0.4169, 0.3681)
contains.

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Color

Yxy(22.9826, 0.4169, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	AE775D
RGB	174, 119, 93
RGB Percent	68%, 47%, 36%
CMY	0.3176, 0.5333, 0.6352
CMYK	0.00, 0.32, 0.47, 0.32
HSL	19°, 33%, 52%
HSV	19°, 47%, 68%
XYZ	26.0295, 22.9826, 13.4237
YIQ	132.4810, 41.1260, 3.5740

Conversions

Conversions Part 2

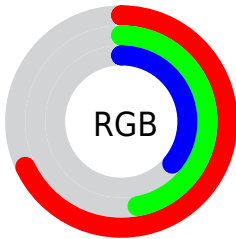
Format	Color
RYB	174, 131, 93
Decimal	11433821
CIELab	55.05, 18.43, 22.97
CIElCh	55, 29.446, 51.257
Yxy	22.9826, 0.4169, 0.3681
Android (android.graphics.Color)	4289623901 (0xFFAE775D)
YUV	132.4810, -19.4641, 36.4122
Hunter-Lab	47.9402, 13.0226, 16.9564

Details

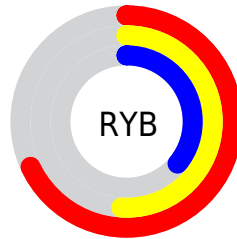
The Yxy color **22.9826, 0.4169, 0.3681** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **26.5702, 0.2438, 0.2848**, and the grayscale version is **23.3189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.1284, 0.3934, 0.3603**, and **8.5075, 0.4561, 0.3763** is the 20% darker color. If you saturate the color by 10%, you get **20.0694, 0.4493, 0.3753**, and if you desaturate by 10%, it is **26.3180, 0.3880, 0.3597**.

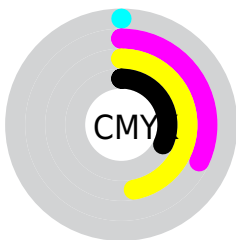
Distribution



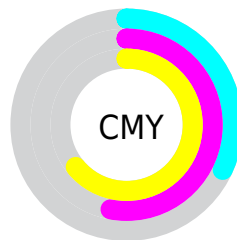
- Red (68%)
- Green (47%)
- Blue (36%)



- Red (68%)
- Yellow (51%)
- Blue (36%)



- Cyan (0%)
- Magenta (32%)
- Yellow (47%)
- Black (32%)





- Cyan (32%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9826, 0.4169, 0.3681 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 22.9826, 0.4169, 0.3681 by changing the saturation by 10% instead.


 22.9826, 0.4169,
0.3681


 22.9826, 0.4169,
0.3681


267.6356, 0.3584,
0.3486

 14.5807, 0.4337,
0.3725


 48.3648, 0.3940,
0.3612

 8.5256, 0.4566,
0.3774


 66.1138, 0.3859,
0.3586

 4.4331, 0.4892,
0.3824

 87.7472, 0.3793,
0.3563

 1.9187, 0.5579,
0.3986

 113.6496, 0.3737,
0.3543

 0.5596, 0.6388,
0.3612

144.2052, 0.3690,
0.3526

 0.0000, 0.0000,
0.0000

179.7985, 0.3650,

0.3511

220.8138, 0.3615,
0.3498

■ 22.9826, 0.4169,
0.3681

■ 22.9826, 0.4169,
0.3681

■ 20.0694, 0.4493,
0.3753

■ 26.3180, 0.3880,
0.3597

■ 17.5574, 0.4843,
0.3804

■ 30.0888, 0.3629,
0.3510

■ 15.4288, 0.5199,
0.3822


■ 34.3116, 0.3414,
0.3424

■ 13.6627, 0.5532,
0.3795

■ 39.0011, 0.3231,
0.3341

■ 12.2350, 0.5812,
0.3723


■ 44.1715, 0.3077,
0.3264

 11.8109, 0.5902,
0.3696

 49.8361, 0.2946,
0.3193

 56.0080, 0.2834,
0.3128

 62.6994, 0.2740,
0.3068

 69.9225, 0.2659,
0.3014

Harmonies

Analogous

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



22.9826, 0.4021, 0.3270



22.9826, 0.4169, 0.3681



22.9826, 0.4011, 0.4040

Triad

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



22.9826, 0.4169, 0.3681



22.9826, 0.2630, 0.3734



22.9826, 0.2601, 0.2469

Complementary

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



22.9826, 0.4169, 0.3681



26.5702, 0.2438, 0.2848

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.



22.9826, 0.2289, 0.2517



22.9826, 0.4169, 0.3681



22.9826, 0.2301, 0.3209

Square

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



22.9826, 0.4169, 0.3681



22.9826, 0.3109, 0.4132



22.9826, 0.2184, 0.2768



22.9826, 0.3076, 0.2605

Rectangle

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



22.9826, 0.4169, 0.3681



22.9826, 0.3767, 0.4195



22.9826, 0.2184, 0.2768



22.9826, 0.2476, 0.2463

Sweetspot

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



22.9837, 0.4169, 0.3681



64.1114, 0.3369, 0.3404



18.9803, 0.3512, 0.2493



13.8636, 0.3410, 0.3422



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



22.9837, 0.4169, 0.3681



36.1824, 0.4508, 0.3756



34.6400, 0.3892, 0.4231



8.4192, 0.3279, 0.3363



8.6630, 0.5882, 0.3712



0.3414, 0.5291, 0.4181

Inverse Universe

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



26.5702, 0.2438, 0.2848



43.4353, 0.2305, 0.2728



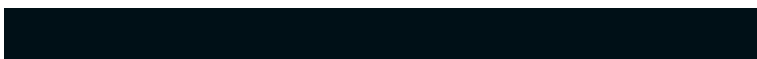
16.0807, 0.2309, 0.2121



8.6322, 0.2986, 0.3216



11.7544, 0.1951, 0.2225



0.4201, 0.2052, 0.2585

Previews

White Background



This preview shows how the Yxy color 22.9826, 0.4169, 0.3681 looks on a white background.

Color Contrast Check

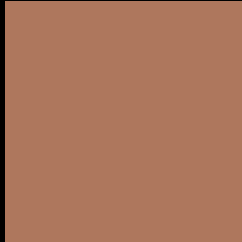
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.9826, 0.4169, 0.3681 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

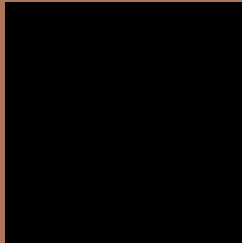
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9826, 0.4169, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 22.9826, 0.4169, 0.3681.



This preview shows how white text looks on a background with the Yxy color 22.9826, 0.4169, 0.3681.

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

22.9826, 0.4169, 0.3681

Protanopia

23.1542, 0.3613, 0.3863

Deuteranopia

22.9635, 0.3930, 0.3842



Tritanopia

23.0638, 0.3821, 0.3159

Trichromacy



Original Color

22.9826, 0.4169, 0.3681

Protanomaly

22.9118, 0.3814, 0.3787

Deuteranomaly

22.8311, 0.4027, 0.3780

Tritanomaly

22.9131, 0.3951, 0.3337

Monochromacy



Original Color

22.9826, 0.4169, 0.3681

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.6898, 0.3474, 0.3443

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9826, 0.4169, 0.3681 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(174, 119, 93)` looks like.

```
.text, #text, p{  
    color:rgb(174, 119, 93)  
}
```

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(174, 119, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 119, 93) }
```

Border

The CSS property to change the border of an element to Yxy 22.9826, 0.4169, 0.3681 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(174, 119, 93) }
```

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

```
.border{ border-color:rgb(174, 119, 93) }
```

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

Here you see how a box with a 4 pixel rgb(174, 119, 93) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 119, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 119, 93);  
box-shadow:4px 4px 4px 4px rgb(174, 119,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9826, 0.4169, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 119, 93) }
```

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

```
.background{ background-color: rgb(174,  
119, 93) }
```

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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