

Converting Colors

$Y_{xy}(22.9869, 0.4298, 0.3977)$

Have a look what the booklet for
Yxy(22.9869, 0.4298, 0.3977)
contains.

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Color

Yxy(22.9869, 0.4298, 0.3977)

Conversions

Conversions Part 1

Format	Color
Hex	AA7A4C
RGB	170, 122, 76
RGB Percent	67%, 48%, 30%
CMY	0.3333, 0.5216, 0.7018
CMYK	0.00, 0.28, 0.55, 0.33
HSL	29°, 38%, 48%
HSV	29°, 55%, 67%
XYZ	24.8423, 22.9869, 9.9704
YIQ	131.1080, 43.3740, -4.1300

Conversions

Conversions Part 2

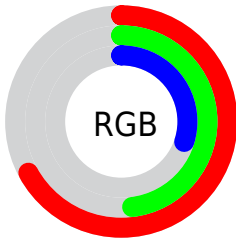
Format	Color
R_{YB}	170, 166, 76
Decimal	11172428
CIE _{Lab}	55.06, 13.40, 32.37
CIE _{LCh}	55, 35.031, 67.518
Yxy	22.9869, 0.4298, 0.3977
Android (android.graphics.Color)	4289362508 (0xFFAA7A4C)
YUV	131.1080, -27.1682, 34.1083
Hunter-Lab	47.9447, 8.5857, 21.2315

Details

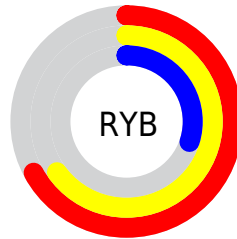
The Yxy color **22.9869, 0.4298, 0.3977** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.8619, 0.2264, 0.2448**, and the grayscale version is **22.8264, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.2724, 0.4054, 0.3845**, and **8.5037, 0.4714, 0.4138** is the 20% darker color. If you saturate the color by 10%, you get **20.7439, 0.4573, 0.4070**, and if you desaturate by 10%, it is **25.4852, 0.4035, 0.3862**.

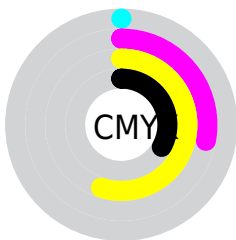
Distribution



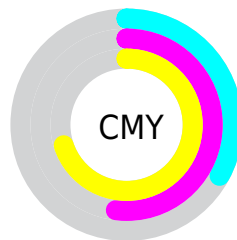
- Red (67%)
- Green (48%)
- Blue (30%)



- Red (67%)
- Yellow (65%)
- Blue (30%)



- Cyan (0%)
- Magenta (28%)
- Yellow (55%)
- Black (33%)





- Cyan (33%)
- Magenta (52%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9869, 0.4298, 0.3977 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 22.9869, 0.4298, 0.3977 by changing the saturation by 10% instead.


 22.9869, 0.4298,
0.3977


 22.9869, 0.4298,
0.3977


267.6577, 0.3651,
0.3627

 14.5838, 0.4476,
0.4057


 48.3718, 0.4049,
0.3852

 8.5278, 0.4709,
0.4149

 66.1225, 0.3960,
0.3804


 4.4345, 0.5026,
0.4248


 87.7577, 0.3886,
0.3763

 1.9195, 0.5586,
0.4414

 113.6621, 0.3823,
0.3728

 0.5600, 0.6055,
0.3945

 144.2198, 0.3770,
0.3698

 0.0000, 0.0000,
0.0000

179.8154, 0.3725,

0.3671

220.8333, 0.3685,
0.3648

■ 22.9869, 0.4298,
0.3977

■ 22.9869, 0.4298,
0.3977

■ 20.7439, 0.4573,
0.4070

■ 25.4852, 0.4035,
0.3862

■ 18.7428, 0.4848,
0.4128

■ 28.2447, 0.3792,
0.3735

■ 16.9737, 0.5105,
0.4140

■ 31.2752, 0.3573,
0.3604

■ 15.4240, 0.5329,
0.4099

■ 34.5848, 0.3379,
0.3475

■ 14.7584, 0.5429,
0.4071

■ 38.1815, 0.3208,
0.3352

■ 42.0726, 0.3059,
0.3236

■ 46.2653, 0.2929,
0.3129

■ 50.7664, 0.2816,
0.3029

■ 55.5826, 0.2718,
0.2938

Harmonies

Analogous

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



22.9869, 0.4333, 0.3513



22.9869, 0.4298, 0.3977



22.9869, 0.3934, 0.4331

Triad

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



22.9869, 0.4298, 0.3977



22.9869, 0.2302, 0.3475



22.9869, 0.2787, 0.2396

Complementary

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



22.9869, 0.4298, 0.3977



18.8619, 0.2264, 0.2448

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.



22.9869, 0.2313, 0.2328



22.9869, 0.4298, 0.3977



22.9869, 0.2055, 0.2876

Square

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



22.9869, 0.4298, 0.3977



22.9869, 0.2776, 0.4083



22.9869, 0.2062, 0.2481



22.9869, 0.3407, 0.2652

Rectangle

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



22.9869, 0.4298, 0.3977



22.9869, 0.3573, 0.4424



22.9869, 0.2062, 0.2481



22.9869, 0.2607, 0.2351

Sweetspot

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



22.9880, 0.4298, 0.3977



61.4893, 0.3417, 0.3501



15.1890, 0.3870, 0.2574



13.4486, 0.3453, 0.3526



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



22.9880, 0.4298, 0.3977



36.9070, 0.4626, 0.4084



37.2334, 0.3920, 0.4566



8.1255, 0.3274, 0.3401



10.9677, 0.5413, 0.4084



0.3696, 0.4912, 0.4482

Inverse Universe

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



18.8619, 0.2264, 0.2448



28.6607, 0.2099, 0.2225



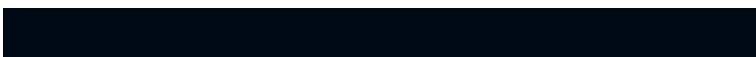
9.8317, 0.2086, 0.1585



7.9103, 0.2987, 0.3177



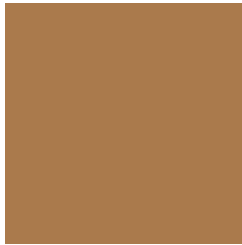
7.2409, 0.1790, 0.1642



0.2782, 0.1955, 0.2239

Previews

White Background



This preview shows how the Yxy color 22.9869, 0.4298, 0.3977 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 22.9869, 0.4298, 0.3977 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

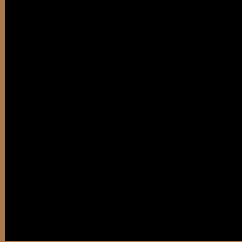
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9869, 0.4298, 0.3977

Background



This preview shows how black text looks on a background with the Yxy color 22.9869, 0.4298, 0.3977.



This preview shows how white text looks on a background with the Yxy color 22.9869, 0.4298, 0.3977.

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

22.9869, 0.4298, 0.3977

Protanopia

23.0110, 0.3846, 0.4174

Deuteranopia

23.0068, 0.4162, 0.4087



Tritanopia

22.9701, 0.3766, 0.3157

Trichromacy



Original Color

22.9869, 0.4298, 0.3977

Protanomaly

22.7752, 0.4000, 0.4092

Deuteranomaly

23.0677, 0.4208, 0.4059

Tritanomaly

22.9026, 0.3982, 0.3459

Monochromacy



Original Color

22.9869, 0.4298, 0.3977

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.6058, 0.3529, 0.3583

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9869, 0.4298, 0.3977 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(170, 122, 76)` looks like.

```
.text, #text, p{  
    color:rgb(170, 122, 76)  
}
```

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(170, 122, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 122, 76) }
```

Border

The CSS property to change the border of an element to Yxy 22.9869, 0.4298, 0.3977 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(170, 122, 76) }
```

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

```
.border{ border-color:rgb(170, 122, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(170, 122, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 122, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 122, 76);  
box-shadow:4px 4px 4px 4px rgb(170, 122,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9869, 0.4298, 0.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 122, 76) }
```

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

```
.background{ background-color: rgb(170,  
122, 76) }
```

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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