

Converting Colors

$Y_{xy}(22.2900, 0.4436, 0.3970)$

Have a look what the booklet for
Yxy(22.2900, 0.4436, 0.3970)
contains.

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Color

Yxy(22.2960, 0.4429, 0.3974)

Conversions

Conversions Part 1

Format	Color
Hex	AD7647
RGB	173, 118, 71
RGB Percent	68%, 46%, 28%
CMY	0.3216, 0.5372, 0.7215
CMYK	0.00, 0.32, 0.59, 0.32
HSL	28°, 42%, 48%
HSV	28°, 59%, 68%
XYZ	24.8488, 22.2960, 8.9599
YIQ	129.0870, 47.8670, -2.9570

Conversions

Conversions Part 2

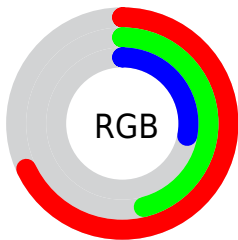
Format	Color
R_{YB}	173, 158, 71
Decimal	11368007
CIE _{Lab}	54.34, 16.52, 34.28
CIE _{LCh}	54, 38.058, 64.267
Yxy	22.2960, 0.4429, 0.3974
Android (android.graphics.Color)	4289558087 (0xFFAD7647)
YUV	129.0870, -28.6369, 38.5117
Hunter-Lab	47.2186, 11.3028, 21.8025

Details

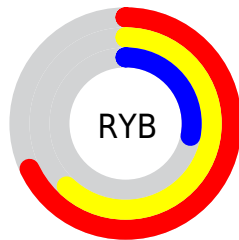
The Yxy color **22.2960, 0.4429, 0.3974** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **19.2830, 0.2223, 0.2434**, and the grayscale version is **22.0762, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.1189, 0.4149, 0.3849**, and **8.1083, 0.4887, 0.4111** is the 20% darker color. If you saturate the color by 10%, you get **20.0158, 0.4719, 0.4049**, and if you desaturate by 10%, it is **24.8590, 0.4150, 0.3872**.

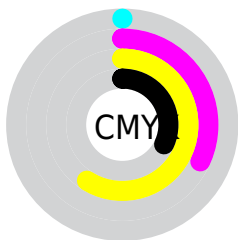
Distribution



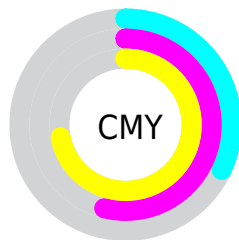
- Red (68%)
- Green (46%)
- Blue (28%)



- Red (68%)
- Yellow (62%)
- Blue (28%)



- Cyan (0%)
- Magenta (32%)
- Yellow (59%)
- Black (32%)





- Cyan (32%)
- Magenta (54%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2960, 0.4429, 0.3974 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 22.2960, 0.4429, 0.3974 by changing the saturation by 10% instead.


 22.2960, 0.4429,
0.3974


 22.2960, 0.4429,
0.3974


264.0882, 0.3707,
0.3633


 14.0746, 0.4626,
0.4046


 47.2347, 0.4152,
0.3856

 8.1725, 0.4883,
0.4123


 64.7208, 0.4052,
0.3810

 4.2056, 0.5253,
0.4209

 86.0639, 0.3969,
0.3769

 1.7892, 0.5759,
0.4241

 111.6484, 0.3900,
0.3735

 0.4804, 0.6416,
0.3584

 141.8587, 0.3841,
0.3704

 0.0000, 0.0000,
0.0000

177.0791, 0.3790,

0.3678

217.6942, 0.3746,
0.3654

■ 22.2960, 0.4429,
0.3974

■ 22.2960, 0.4429,
0.3974

■ 20.0158, 0.4719,
0.4049

■ 24.8590, 0.4150,
0.3872

■ 18.0033, 0.5004,
0.4085

■ 27.7123, 0.3891,
0.3755

■ 16.2465, 0.5265,
0.4071

■ 30.8673, 0.3657,
0.3632

■ 14.7264, 0.5491,
0.4010

■ 34.3336, 0.3450,
0.3509

■ 14.5772, 0.5514,
0.4003

■ 38.1203, 0.3269,
0.3391

■ 42.2361, 0.3111,
0.3278

■ 46.6893, 0.2975,
0.3174

■ 51.4879, 0.2856,
0.3078

■ 56.6396, 0.2754,
0.2989

Harmonies

Analogous

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



22.2960, 0.4429, 0.3465



22.2960, 0.4429, 0.3974



22.2960, 0.4058, 0.4391

Triad

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



22.2960, 0.4429, 0.3974



22.2960, 0.2270, 0.3567



22.2960, 0.2687, 0.2303

Complementary

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



22.2960, 0.4429, 0.3974



19.2830, 0.2223, 0.2434

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.



22.2960, 0.2200, 0.2251



22.2960, 0.4429, 0.3974



22.2960, 0.1979, 0.2892

Square

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



22.2960, 0.4429, 0.3974



22.2960, 0.2804, 0.4229



22.2960, 0.1959, 0.2438



22.2960, 0.3354, 0.2559

Rectangle

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



22.2960, 0.4429, 0.3974



22.2960, 0.3674, 0.4531



22.2960, 0.1959, 0.2438



22.2960, 0.2500, 0.2262

Sweetspot

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



22.2971, 0.4429, 0.3974



61.9039, 0.3438, 0.3502



14.9287, 0.3886, 0.2487



13.0571, 0.3494, 0.3536



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.



22.2971, 0.4429, 0.3974



34.6093, 0.4814, 0.4066



37.3046, 0.3988, 0.4599



8.6006, 0.3275, 0.3395



10.8222, 0.5497, 0.4017



0.4112, 0.5006, 0.4408

Inverse Universe

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



19.2830, 0.2223, 0.2434



28.6614, 0.2053, 0.2199



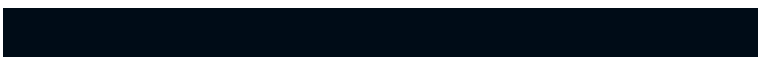
9.5441, 0.2022, 0.1515



8.4457, 0.2986, 0.3183



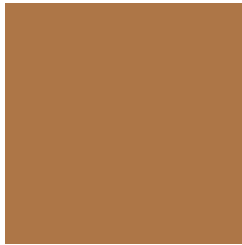
8.1212, 0.1816, 0.1736



0.3338, 0.1959, 0.2254

Previews

White Background



This preview shows how the Yxy color 22.2960, 0.4429, 0.3974 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 22.2960, 0.4429, 0.3974 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

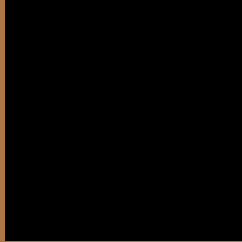
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.2960, 0.4429, 0.3974

Background



This preview shows how black text looks on a background with the Yxy color 22.2960, 0.4429, 0.3974.



This preview shows how white text looks on a background with the Yxy color 22.2960, 0.4429, 0.3974.

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

22.2960, 0.4429, 0.3974

Protanopia

22.3129, 0.3900, 0.4228

Deuteranopia

22.3311, 0.4221, 0.4132



Tritanopia

22.2915, 0.3889, 0.3174

Trichromacy



Original Color

22.2960, 0.4429, 0.3974

Protanomaly

22.2861, 0.4084, 0.4133

Deuteranomaly

22.3606, 0.4303, 0.4080

Tritanomaly

22.2240, 0.4111, 0.3472

Monochromacy



Original Color

22.2960, 0.4429, 0.3974

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.7697, 0.3576, 0.3585

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2960, 0.4429, 0.3974 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(173, 118, 71)` looks like.

```
.text, #text, p{  
    color:rgb(173, 118, 71)  
}
```

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(173, 118, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 118, 71) }
```

Border

The CSS property to change the border of an element to Yxy 22.2960, 0.4429, 0.3974 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(173, 118, 71) }
```

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

```
.border{ border-color:rgb(173, 118, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 118, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 118, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 118, 71);  
box-shadow:4px 4px 4px 4px rgb(173, 118,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2960, 0.4429, 0.3974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 118, 71) }
```

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

```
.background{ background-color: rgb(173,  
118, 71) }
```

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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