

Converting Colors

$Y_{xy}(24.4971, 0.4194, 0.4610)$

Have a look what the booklet for
Yxy(24.4971, 0.4194, 0.4610)
contains.

Yxy(24.4971, 0.4194, 0.4610)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.4971, 0.4194, 0.4610)

Conversions

Conversions Part 1

Format	Color
Hex	988830
RGB	152, 136, 48
RGB Percent	60%, 53%, 19%
CMY	0.4039, 0.4666, 0.8116
CMYK	0.00, 0.11, 0.68, 0.40
HSL	51°, 52%, 39%
HSV	51°, 68%, 60%
XYZ	22.2865, 24.4971, 6.3554
YIQ	130.7520, 37.7840, -23.9760

Conversions

Conversions Part 2

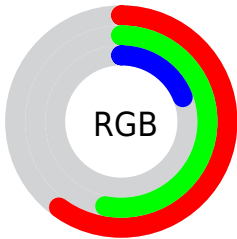
Format	Color
R_{YB}	67, 152, 48
Decimal	9996336
CIE _{Lab}	56.58, -4.53, 47.56
CIE _{LCh}	57, 47.775, 95.443
Yxy	24.4971, 0.4194, 0.4610
Android (android.graphics.Color)	4288186416 (0xFF988830)
YUV	130.7520, -40.7967, 18.6345
Hunter-Lab	49.4945, -6.2401, 27.0329

Details

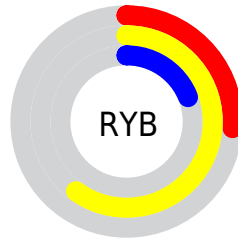
The Yxy color **24.4971, 0.4194, 0.4610** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **6.5678, 0.1905, 0.1434**, and the grayscale version is **22.7442, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8514, 0.4004, 0.4356**, and **9.4131, 0.4392, 0.4895** is the 20% darker color. If you saturate the color by 10%, you get **23.7420, 0.4313, 0.4719**, and if you desaturate by 10%, it is **25.3120, 0.4054, 0.4463**.

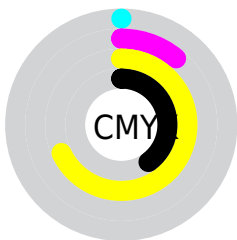
Distribution



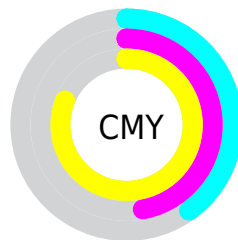
- Red (60%)
- Green (53%)
- Blue (19%)



- Red (26%)
- Yellow (60%)
- Blue (19%)



- Cyan (0%)
- Magenta (11%)
- Yellow (68%)
- Black (40%)



- Cyan (40%)
- Magenta (47%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.4971, 0.4194, 0.4610 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 24.4971, 0.4194, 0.4610 by changing the saturation by 10% instead.


 24.4971, 0.4194,
0.4610


 24.4971, 0.4194,
0.4610


275.3241, 0.3648,
0.3913


 15.7028, 0.4315,
0.4776


 50.8402, 0.4002,
0.4357

 9.3141, 0.4447,
0.4971


 69.1577, 0.3926,
0.4261


 4.9466, 0.4686,
0.5314

 91.4185, 0.3862,
0.4179

 2.2160, 0.4628,
0.5372

 118.0069, 0.3807,
0.4110

 0.7287, 0.4440,
0.5560

 149.3072, 0.3759,
0.4050

 0.0000, 0.0000,
0.0000

 185.7039, 0.3717,

0.3999

227.5814, 0.3680,
0.3953

■ 24.4971, 0.4194,
0.4610

■ 24.4971, 0.4194,
0.4610

■ 23.7420, 0.4313,
0.4719

■ 25.3120, 0.4054,
0.4463

■ 23.0384, 0.4407,
0.4786

■ 26.1871, 0.3898,
0.4286

■ 22.3782, 0.4477,
0.4814

■ 27.1272, 0.3735,
0.4089

■ 22.2736, 0.4488,
0.4818

■ 28.1357, 0.3569,
0.3880

■ 29.2155, 0.3407,
0.3668

■ 30.3693, 0.3251,
0.3459

■ 31.5999, 0.3104,
0.3258

■ 32.9097, 0.2968,
0.3068

■ 34.3009, 0.2843,
0.2889

Harmonies

Analogous

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



24.4971, 0.4674, 0.4088



24.4971, 0.4194, 0.4610



24.4971, 0.3467, 0.4818

Triad

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



24.4971, 0.4194, 0.4610



24.4971, 0.1762, 0.2761



24.4971, 0.3426, 0.2440

Complementary

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



24.4971, 0.4194, 0.4610



6.5678, 0.1905, 0.1434

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.



24.4971, 0.2620, 0.2137



24.4971, 0.4194, 0.4610



24.4971, 0.1757, 0.2251

Square

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



24.4971, 0.4194, 0.4610



24.4971, 0.2077, 0.3583



24.4971, 0.2044, 0.2060



24.4971, 0.4239, 0.2917

Rectangle

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



24.4971, 0.4194, 0.4610



24.4971, 0.2942, 0.4632



24.4971, 0.2044, 0.2060



24.4971, 0.3142, 0.2317

Sweetspot

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



24.4983, 0.4194, 0.4610



50.9833, 0.3455, 0.3732



9.1790, 0.4959, 0.3040



11.4780, 0.3496, 0.3786



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.



24.4983, 0.4194, 0.4610



41.2528, 0.4365, 0.4759



26.4741, 0.3645, 0.5041



7.0610, 0.3264, 0.3477



18.7139, 0.4486, 0.4820



0.3182, 0.4338, 0.4937

Inverse Universe

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



6.5678, 0.1905, 0.1434



7.6081, 0.1685, 0.1039



6.2103, 0.2192, 0.1326



6.1722, 0.2988, 0.3096



2.4585, 0.1543, 0.0754



0.0710, 0.1696, 0.1304

Previews

White Background



This preview shows how the Yxy color 24.4971, 0.4194, 0.4610 looks on a white background.

Color Contrast Check

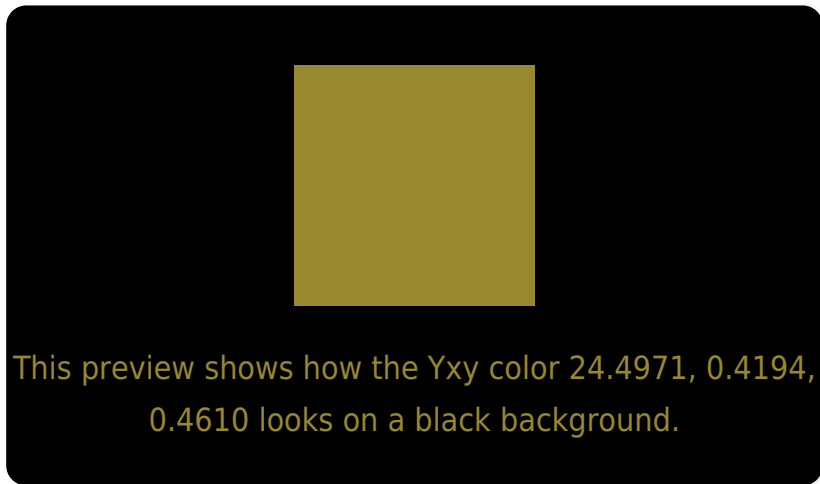
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4971, 0.4194, 0.4610

Background



This preview shows how black text looks on a background with the Yxy color 24.4971, 0.4194, 0.4610.



This preview shows how white text looks on a background with the Yxy color 24.4971, 0.4194, 0.4610.

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

24.4971, 0.4194, 0.4610

Protanopia

24.4971, 0.4194, 0.4610

Deuteranopia

24.3658, 0.4461, 0.4385



Tritanopia

24.3558, 0.3397, 0.3133

Trichromacy



Original Color

24.4971, 0.4194, 0.4610

Protanomaly

24.4971, 0.4194, 0.4610

Deuteranomaly

24.5108, 0.4363, 0.4473

Tritanomaly

24.0531, 0.3728, 0.3699

Monochromacy



Original Color

24.4971, 0.4194, 0.4610

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

23.2036, 0.3549, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4971, 0.4194, 0.4610 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(152, 136, 48)` looks like.

```
.text, #text, p{  
    color:rgb(152, 136, 48)  
}
```

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(152, 136, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 136, 48) }
```

Border

The CSS property to change the border of an element to Yxy 24.4971, 0.4194, 0.4610 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(152, 136, 48) }
```

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

```
.border{ border-color:rgb(152, 136, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 136, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 136, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 136, 48);  
box-shadow:4px 4px 4px 4px rgb(152, 136,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4971, 0.4194, 0.4610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 136, 48) }
```

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

```
.background{ background-color: rgb(152,  
136, 48) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor