

Converting Colors

$Y_{xy}(22.9573, 0.3867, 0.4205)$

Have a look what the booklet for
Yxy(22.9573, 0.3867, 0.4205)
contains.

Yxy(22.9819, 0.3867, 0.4206)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.9819, 0.3867, 0.4206)

Conversions

Conversions Part 1

Format	Color
Hex	90844E
RGB	144, 132, 78
RGB Percent	56%, 52%, 31%
CMY	0.4352, 0.4824, 0.6941
CMYK	0.00, 0.08, 0.46, 0.44
HSL	49°, 30%, 44%
HSV	49°, 46%, 56%
XYZ	21.1296, 22.9819, 10.5293
YIQ	129.4320, 24.4860, -14.2500

Conversions

Conversions Part 2

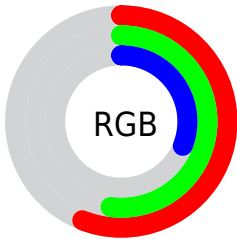
Format	Color
RYB	93, 144, 78
Decimal	9471054
CIELab	55.05, -3.37, 30.71
CIELCh	55, 30.891, 96.271
Yxy	22.9819, 0.3867, 0.4206
Android (android.graphics.Color)	4287661134 (0xFF90844E)
YUV	129.4320, -25.3560, 12.7761
Hunter-Lab	47.9394, -5.2191, 20.5353

Details

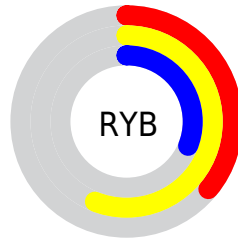
The Yxy color **22.9819, 0.3867, 0.4206** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **10.9477, 0.2336, 0.2161**, and the grayscale version is **22.1978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3986, 0.3715, 0.4013**, and **8.5608, 0.4113, 0.4540** is the 20% darker color. If you saturate the color by 10%, you get **22.0967, 0.4031, 0.4384**, and if you desaturate by 10%, it is **23.9324, 0.3698, 0.4011**.

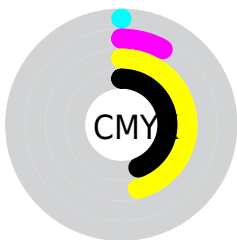
Distribution



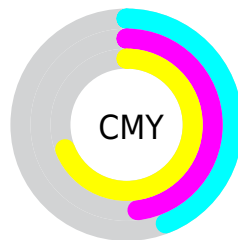
- Red (56%)
- Green (52%)
- Blue (31%)



- Red (36%)
- Yellow (56%)
- Blue (31%)



- Cyan (0%)
- Magenta (8%)
- Yellow (46%)
- Black (44%)





- Cyan (44%)
- Magenta (48%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.9819, 0.3867, 0.4206 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 22.9819, 0.3867, 0.4206 by changing the saturation by 10% instead.


 22.9819, 0.3867,
0.4206


 22.9819, 0.3867,
0.4206


267.6320, 0.3466,
0.3700

 14.5801, 0.3973,
0.4345


 48.3636, 0.3715,
0.4011

 8.5253, 0.4110,
0.4529

 66.1123, 0.3660,
0.3941


 4.4328, 0.4284,
0.4775

 87.7455, 0.3614,
0.3883

 1.9185, 0.4682,
0.5318

 113.6476, 0.3575,
0.3835

 0.5595, 0.4454,
0.5546

 144.2028, 0.3541,
0.3794

 0.0000, 0.0000,
0.0000

179.7957, 0.3513,

0.3758

220.8107, 0.3488,
0.3727

■ 22.9819, 0.3867,
0.4206

■ 22.9819, 0.3867,
0.4206

■ 22.0967, 0.4031,
0.4384

■ 23.9324, 0.3698,
0.4011

■ 21.2703, 0.4184,
0.4536

■ 24.9477, 0.3529,
0.3807

■ 20.5005, 0.4319,
0.4653

■ 26.0317, 0.3367,
0.3603

■ 19.7832, 0.4430,
0.4728

■ 27.1866, 0.3212,
0.3403

■ 19.1127, 0.4515,
0.4762

■ 28.4149, 0.3069,
0.3212

■ 18.8418, 0.4548,
0.4771

■ 29.7187, 0.2936,
0.3031

■ 31.1000, 0.2816,
0.2863

■ 32.5609, 0.2706,
0.2708

■ 34.1033, 0.2607,
0.2565

Harmonies

Analogous

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



22.9819, 0.4173, 0.3896



22.9819, 0.3867, 0.4206



22.9819, 0.3376, 0.4272

Triad

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



22.9819, 0.3867, 0.4206



22.9819, 0.2174, 0.2950



22.9819, 0.3354, 0.2707

Complementary

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



22.9819, 0.3867, 0.4206



10.9477, 0.2336, 0.2161

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.



22.9819, 0.2808, 0.2483



22.9819, 0.3867, 0.4206



22.9819, 0.2169, 0.2584

Square

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



22.9819, 0.3867, 0.4206



22.9819, 0.2409, 0.3480



22.9819, 0.2389, 0.2432



22.9819, 0.3875, 0.3061

Rectangle

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



22.9819, 0.3867, 0.4206



22.9819, 0.3016, 0.4127



22.9819, 0.2389, 0.2432



22.9819, 0.3165, 0.2615

Sweetspot

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



22.9830, 0.3867, 0.4206



46.2129, 0.3342, 0.3571



12.1188, 0.4082, 0.3077



10.5089, 0.3373, 0.3611



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



22.9830, 0.3867, 0.4206



38.9225, 0.4036, 0.4389



24.7193, 0.3539, 0.4478



6.1208, 0.3263, 0.3469



16.4357, 0.4545, 0.4773



0.1852, 0.4353, 0.4926

Inverse Universe

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



10.9477, 0.2336, 0.2161



15.0069, 0.2141, 0.1856



10.1096, 0.2545, 0.1995



5.4039, 0.2990, 0.3105



2.4315, 0.1556, 0.0801



0.0470, 0.1729, 0.1425

Previews

White Background



This preview shows how the Yxy color 22.9819, 0.3867, 0.4206 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 22.9819, 0.3867, 0.4206 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

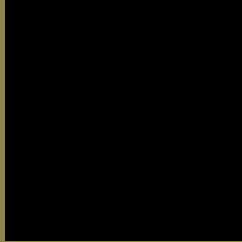
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.9819, 0.3867, 0.4206

Background



This preview shows how black text looks on a background with the Yxy color 22.9819, 0.3867, 0.4206.



This preview shows how white text looks on a background with the Yxy color 22.9819, 0.3867, 0.4206.

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

22.9819, 0.3867, 0.4206

Protanopia

22.9819, 0.3867, 0.4206

Deuteranopia

22.9598, 0.4105, 0.4033



Tritanopia

22.9005, 0.3315, 0.3126

Trichromacy



Original Color

22.9819, 0.3867, 0.4206

Protanomaly

22.9819, 0.3867, 0.4206

Deuteranomaly

22.8729, 0.4013, 0.4087

Tritanomaly

22.9491, 0.3531, 0.3528

Monochromacy



Original Color

22.9819, 0.3867, 0.4206

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

22.1594, 0.3397, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9819, 0.3867, 0.4206 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(144, 132, 78)` looks like.

```
.text, #text, p{  
    color:rgb(144, 132, 78)  
}
```

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(144, 132, 78) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 132, 78) }
```

Border

The CSS property to change the border of an element to Yxy 22.9819, 0.3867, 0.4206 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(144, 132, 78) }
```

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

```
.border{ border-color:rgb(144, 132, 78) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 132, 78)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 132, 78); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 132, 78);  
box-shadow:4px 4px 4px 4px rgb(144, 132,  
78) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9819, 0.3867, 0.4206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 132, 78) }
```

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

```
.background{ background-color: rgb(144,  
132, 78) }
```

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