

Converting Colors

$Y_{xy}(13.3198, 0.4854, 0.4193)$

Have a look what the booklet for
Yxy(13.3198, 0.4854, 0.4193)
contains.

Yxy(13.3405, 0.4844, 0.4194)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.3405, 0.4844, 0.4194)

Conversions

Conversions Part 1

Format	Color
Hex	905A1F
RGB	144, 90, 31
RGB Percent	56%, 35%, 12%
CMY	0.4352, 0.6471, 0.8784
CMYK	0.00, 0.38, 0.78, 0.44
HSL	31°, 65%, 34%
HSV	31°, 78%, 56%
XYZ	15.4081, 13.3405, 3.0600
YIQ	99.4200, 51.1230, -6.9010

Conversions

Conversions Part 2

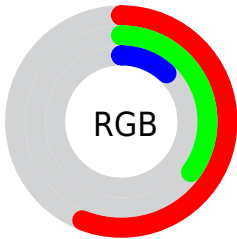
Format	Color
RYB	134, 144, 31
Decimal	9460255
CIELab	43.27, 17.15, 41.39
CIELCh	43, 44.798, 67.495
Yxy	13.3405, 0.4844, 0.4194
Android (android.graphics.Color)	4287650335 (0xFF905A1F)
YUV	99.4200, -33.7311, 39.0967
Hunter-Lab	36.5246, 11.3827, 20.6000

Details

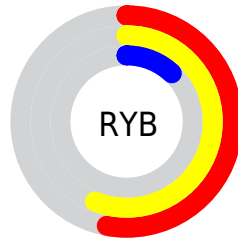
The Yxy color **13.3405, 0.4844, 0.4194** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **8.8096, 0.1955, 0.1945**, and the grayscale version is **12.6669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8772, 0.4465, 0.4049**, and **3.9252, 0.5319, 0.4159** is the 20% darker color. If you saturate the color by 10%, you get **12.1733, 0.5076, 0.4202**, and if you desaturate by 10%, it is **14.6507, 0.4591, 0.4139**.

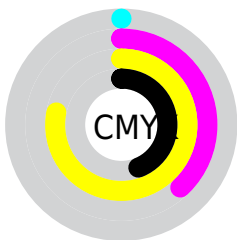
Distribution



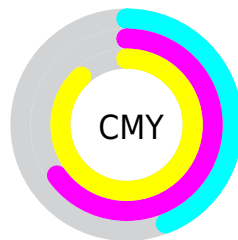
- Red (56%)
- Green (35%)
- Blue (12%)



- Red (53%)
- Yellow (56%)
- Blue (12%)



- Cyan (0%)
- Magenta (38%)
- Yellow (78%)
- Black (44%)




- Cyan (44%)
- Magenta (65%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3405, 0.4844, 0.4194 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 13.3405, 0.4844, 0.4194 by changing the saturation by 10% instead.


 13.3405, 0.4844,
0.4194


 13.3405, 0.4844,
0.4194


213.0885, 0.3849,
0.3743


 7.6634, 0.5113,
0.4261


 31.9142, 0.4457,
0.4049


 3.8804, 0.5594,
0.4406

 45.5796, 0.4318,
0.3986

 1.6069, 0.5821,
0.4179

 62.6765, 0.4204,
0.3931

 0.3622, 0.6781,
0.3219

 83.5894, 0.4108,
0.3883

 0.0000, 0.0000,
0.0000

 108.7027, 0.4028,
0.3841

 138.4007, 0.3960,

0.3804

173.0678, 0.3901,
0.3771

13.3405, 0.4844,
0.4194

13.3405, 0.4844,
0.4194

12.1733, 0.5076,
0.4202

14.6507, 0.4591,
0.4139

11.1354, 0.5283,
0.4167

16.1086, 0.4332,
0.4047

10.9857, 0.5316,
0.4161

17.7211, 0.4080,
0.3931

19.4937, 0.3843,
0.3800

21.4319, 0.3626,
0.3663

■ 23.5406, 0.3431,
0.3527

■ 25.8246, 0.3258,
0.3396

■ 28.2883, 0.3105,
0.3271

■ 30.9361, 0.2971,
0.3155

Harmonies

Analogous

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



13.3405, 0.4957, 0.3529



13.3405, 0.4844, 0.4194



13.3405, 0.4256, 0.4800

Triad

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



13.3405, 0.4844, 0.4194



13.3405, 0.1899, 0.3543



13.3405, 0.2601, 0.2018

Complementary

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



13.3405, 0.4844, 0.4194



8.8096, 0.1955, 0.1945

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.



13.3405, 0.1944, 0.1911



13.3405, 0.4844, 0.4194



13.3405, 0.1587, 0.2618

Square

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



13.3405, 0.4844, 0.4194



13.3405, 0.2558, 0.4573



13.3405, 0.1610, 0.2087



13.3405, 0.3529, 0.2367

Rectangle

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



13.3405, 0.4844, 0.4194



13.3405, 0.3714, 0.5034



13.3405, 0.1610, 0.2087



13.3405, 0.2346, 0.1954

Sweetspot

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



13.3412, 0.4844, 0.4194



39.2298, 0.3546, 0.3609



7.5779, 0.4449, 0.2468



8.7282, 0.3611, 0.3653



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.



13.3412, 0.4844, 0.4194



20.0820, 0.5228, 0.4175



25.8151, 0.4087, 0.4929



5.8605, 0.3269, 0.3405



9.6108, 0.5308, 0.4168



0.1360, 0.4730, 0.4626

Inverse Universe

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



8.8096, 0.1955, 0.1945



11.7774, 0.1794, 0.1613



3.3166, 0.1700, 0.0917



5.6537, 0.2990, 0.3172



5.4901, 0.1764, 0.1549



0.0962, 0.1982, 0.2336

Previews

White Background



This preview shows how the Yxy color 13.3405, 0.4844, 0.4194 looks on a white background.

Color Contrast Check

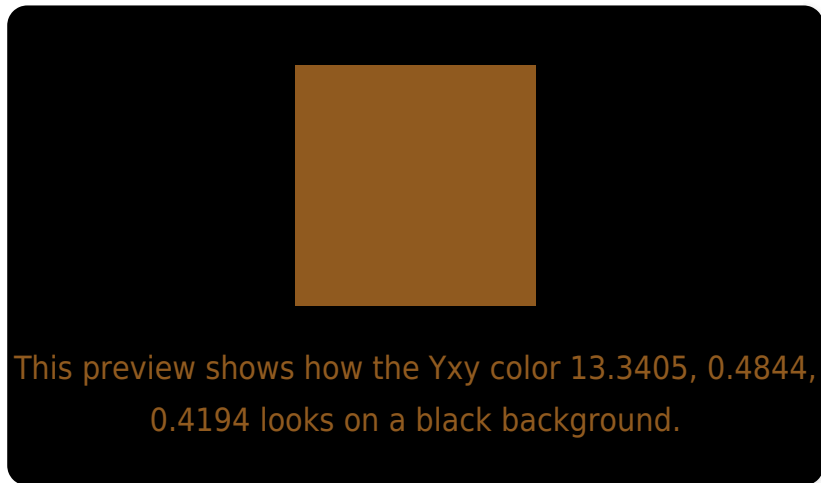
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

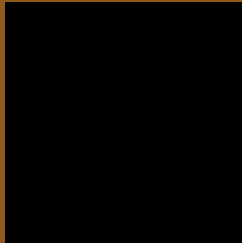
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3405, 0.4844, 0.4194

Background



This preview shows how black text looks on a background with the Yxy color 13.3405, 0.4844, 0.4194.



This preview shows how white text looks on a background with the Yxy color 13.3405, 0.4844, 0.4194.

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

13.3405, 0.4844, 0.4194

Protanopia

13.4608, 0.4190, 0.4620

Deuteranopia

13.3004, 0.4544, 0.4465



Tritanopia

13.2819, 0.4091, 0.3188

Trichromacy



Original Color

13.3405, 0.4844, 0.4194

Protanomaly

13.2808, 0.4440, 0.4452

Deuteranomaly

13.1624, 0.4657, 0.4361

Tritanomaly

13.1962, 0.4421, 0.3589

Monochromacy



Original Color

13.3405, 0.4844, 0.4194

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.5050, 0.3759, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3405, 0.4844, 0.4194 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, 90, 31)` looks like.

```
.text, #text, p{  
    color:rgb(144, 90, 31)  
}
```

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, 90, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 90, 31) }
```

Border

The CSS property to change the border of an element to Yxy 13.3405, 0.4844, 0.4194 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, 90, 31) }
```

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

```
.border{ border-color:rgb(144, 90, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 90, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 90, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 90, 31);  
box-shadow:4px 4px 4px 4px rgb(144, 90,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3405, 0.4844, 0.4194 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 90, 31) }
```

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

```
.background{ background-color: rgb(144, 90,  
31) }
```

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