

Converting Colors

$Y_{xy}(13.5436, 0.4614, 0.3999)$

Have a look what the booklet for
Yxy(13.5436, 0.4614, 0.3999)
contains.

Yxy(13.5436, 0.4614, 0.3999)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.5436, 0.4614, 0.3999)

Conversions

Conversions Part 1

Format	Color
Hex	8F5B31
RGB	143, 91, 49
RGB Percent	56%, 36%, 19%
CMY	0.4391, 0.6432, 0.8078
CMYK	0.00, 0.36, 0.66, 0.44
HSL	27°, 49%, 38%
HSV	27°, 66%, 56%
XYZ	15.6264, 13.5436, 4.6974
YIQ	101.7600, 44.4740, -2.0380

Conversions

Conversions Part 2

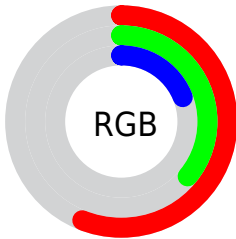
Format	Color
R_{YB}	143, 125, 49
Decimal	9394993
CIE _{Lab}	43.57, 17.14, 32.56
CIE _{LCh}	44, 36.799, 62.241
Yxy	13.5436, 0.4614, 0.3999
Android (android.graphics.Color)	4287585073 (0xFF8F5B31)
YUV	101.7600, -26.0107, 36.1675
Hunter-Lab	36.8016, 11.3906, 18.1933

Details

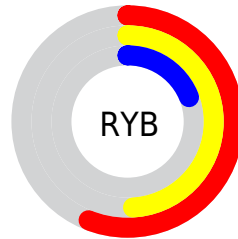
The Yxy color **13.5436, 0.4614, 0.3999** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.9530, 0.2153, 0.2364**, and the grayscale version is **13.2822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1922, 0.4260, 0.3862**, and **4.0050, 0.5260, 0.4156** is the 20% darker color. If you saturate the color by 10%, you get **12.1595, 0.4905, 0.4049**, and if you desaturate by 10%, it is **15.1103, 0.4326, 0.3916**.

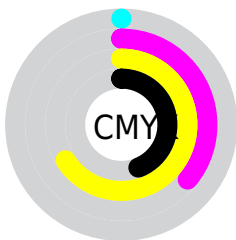
Distribution



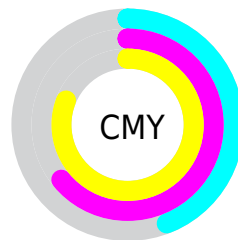
- Red (56%)
- Green (36%)
- Blue (19%)



- Red (56%)
- Yellow (49%)
- Blue (19%)



- Cyan (0%)
- Magenta (36%)
- Yellow (66%)
- Black (44%)





- Cyan (44%)
- Magenta (64%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.5436, 0.4614, 0.3999 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 13.5436, 0.4614, 0.3999 by changing the saturation by 10% instead.


 13.5436, 0.4614,
0.3999


 13.5436, 0.4614,
0.3999


214.3728, 0.3733,
0.3630


 7.8039, 0.4877,
0.4071


 32.2770, 0.4259,
0.3871


 3.9697, 0.5258,
0.4151

 46.0395, 0.4136,
0.3820


 1.6567, 0.5812,
0.4188

 63.2451, 0.4036,
0.3776

 0.3953, 0.6676,
0.3324

 84.2781, 0.3954,
0.3738

 0.0000, 0.0000,
0.0000

 109.5230, 0.3885,
0.3706

 139.3641, 0.3827,

0.3677

174.1859, 0.3777,
0.3652

■ 13.5436, 0.4614,
0.3999

■ 13.5436, 0.4614,
0.3999

■ 12.1595, 0.4905,
0.4049

■ 15.1103, 0.4326,
0.3916

■ 10.9476, 0.5182,
0.4056

■ 16.8648, 0.4053,
0.3812

■ 9.8985, 0.5427,
0.4013

■ 18.8150, 0.3804,
0.3697

■ 9.4934, 0.5531,
0.3991

■ 20.9674, 0.3582,
0.3579

■ 23.3280, 0.3386,
0.3462

■ 25.9030, 0.3215,
0.3351

■ 28.6978, 0.3066,
0.3246

■ 31.7179, 0.2938,
0.3149

■ 34.9685, 0.2826,
0.3059

Harmonies

Analogous

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



13.5436, 0.4594, 0.3429



13.5436, 0.4614, 0.3999



13.5436, 0.4205, 0.4499

Triad

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



13.5436, 0.4614, 0.3999



13.5436, 0.2187, 0.3659



13.5436, 0.2580, 0.2176

Complementary

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



13.5436, 0.4614, 0.3999



11.9530, 0.2153, 0.2364

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.



13.5436, 0.2059, 0.2131



13.5436, 0.4614, 0.3999



13.5436, 0.1851, 0.2869

Square

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



13.5436, 0.4614, 0.3999



13.5436, 0.2797, 0.4420



13.5436, 0.1813, 0.2347



13.5436, 0.3325, 0.2445

Rectangle

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



13.5436, 0.4614, 0.3999



13.5436, 0.3776, 0.4697



13.5436, 0.1813, 0.2347



13.5436, 0.2377, 0.2135

Sweetspot

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



13.5443, 0.4614, 0.3999



39.7324, 0.3474, 0.3516



9.0043, 0.3964, 0.2405



8.8694, 0.3524, 0.3546



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.



13.5443, 0.4614, 0.3999



20.6590, 0.5045, 0.4059



23.8857, 0.4070, 0.4674



5.7957, 0.3271, 0.3389



8.4318, 0.5523, 0.3997



0.1235, 0.4862, 0.4521

Inverse Universe

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



11.9530, 0.2153, 0.2364



17.5341, 0.1985, 0.2110



5.3961, 0.1919, 0.1361



5.7187, 0.2990, 0.3189



6.7587, 0.1833, 0.1799



0.1087, 0.2031, 0.2512

Previews

White Background



This preview shows how the Yxy color 13.5436, 0.4614, 0.3999 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



This preview shows how the Yxy color 13.5436, 0.4614, 0.3999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

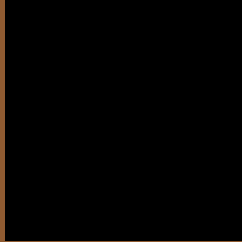
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.5436, 0.4614, 0.3999

Background



This preview shows how black text looks on a background with the Yxy color 13.5436, 0.4614, 0.3999.



This preview shows how white text looks on a background with the Yxy color 13.5436, 0.4614, 0.3999.

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

13.5436, 0.4614, 0.3999

Protanopia

13.5349, 0.3973, 0.4325

Deuteranopia

13.5298, 0.4322, 0.4243



Tritanopia

13.5393, 0.4028, 0.3187

Trichromacy



Original Color

13.5436, 0.4614, 0.3999

Protanomaly

13.5316, 0.4202, 0.4200

Deuteranomaly

13.3844, 0.4426, 0.4143

Tritanomaly

13.5210, 0.4270, 0.3505

Monochromacy



Original Color

13.5436, 0.4614, 0.3999

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.1418, 0.3641, 0.3608

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5436, 0.4614, 0.3999 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(143, 91, 49)` looks like.

```
.text, #text, p{  
    color:rgb(143, 91, 49)  
}
```

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(143, 91, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 91, 49) }
```

Border

The CSS property to change the border of an element to Yxy 13.5436, 0.4614, 0.3999 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(143, 91, 49) }
```

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

```
.border{ border-color:rgb(143, 91, 49) }
```

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

Here you see how a box with a 4 pixel rgb(143, 91, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 91, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 91, 49);  
box-shadow:4px 4px 4px 4px rgb(143, 91,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5436, 0.4614, 0.3999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 91, 49) }
```

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

```
.background{ background-color: rgb(143, 91,  
49) }
```

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