

Converting Colors

$Y_{xy}(13.3466, 0.4212, 0.3702)$

Have a look what the booklet for
Yxy(13.3466, 0.4212, 0.3702)
contains.

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Color

Yxy(13.4149, 0.4207, 0.3701)

Conversions

Conversions Part 1

Format	Color
Hex	895C46
RGB	137, 92, 70
RGB Percent	54%, 36%, 27%
CMY	0.4628, 0.6392, 0.7254
CMYK	0.00, 0.33, 0.49, 0.46
HSL	20°, 32%, 41%
HSV	20°, 49%, 54%
XYZ	15.2490, 13.4149, 7.5828
YIQ	102.9470, 33.8820, 2.6980

Conversions

Conversions Part 2

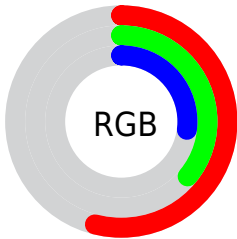
Format	Color
RYB	137, 103, 70
Decimal	9002054
CIELab	43.38, 15.73, 20.10
CIElCh	43, 25.523, 51.947
Yxy	13.4149, 0.4207, 0.3701
Android (android.graphics.Color)	4287192134 (0xFF895C46)
YUV	102.9470, -16.2429, 29.8645
Hunter-Lab	36.6264, 10.2204, 13.3636

Details

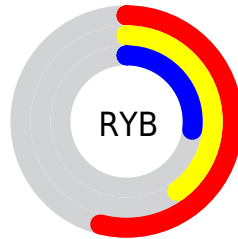
The Yxy color **13.4149, 0.4207, 0.3701** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **15.3719, 0.2418, 0.2821**, and the grayscale version is **13.5866, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8844, 0.3930, 0.3607**, and **3.9134, 0.4720, 0.3832** is the 20% darker color. If you saturate the color by 10%, you get **11.7630, 0.4526, 0.3772**, and if you desaturate by 10%, it is **15.3013, 0.3920, 0.3618**.

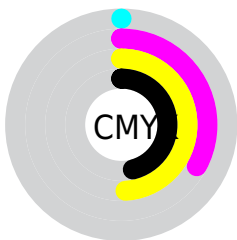
Distribution



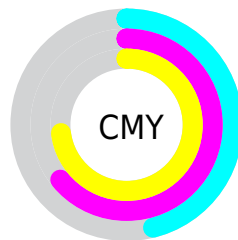
- Red (54%)
- Green (36%)
- Blue (27%)



- Red (54%)
- Yellow (40%)
- Blue (27%)



- Cyan (0%)
- Magenta (33%)
- Yellow (49%)
- Black (46%)





- Cyan (46%)
- Magenta (64%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.4149, 0.4207, 0.3701 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 13.4149, 0.4207, 0.3701 by changing the saturation by 10% instead.


 13.4149, 0.4207,
0.3701


 13.4149, 0.4207,
0.3701


213.5599, 0.3554,
0.3478

 7.7149, 0.4421,
0.3756


 32.0472, 0.3935,
0.3618


 3.9130, 0.4733,
0.3817

 45.7482, 0.3844,
0.3587

 1.6250, 0.5449,
0.4035

 62.8850, 0.3772,
0.3561

 0.3744, 0.6640,
0.3360

 83.8421, 0.3712,
0.3539

 0.0000, 0.0000,
0.0000

 109.0037, 0.3663,
0.3521

138.7542, 0.3621,

0.3505

173.4782, 0.3585,
0.3490

■ 13.4149, 0.4207,
0.3701

■ 13.4149, 0.4207,
0.3701

■ 11.7630, 0.4526,
0.3772

■ 15.3013, 0.3920,
0.3618

■ 10.3340, 0.4868,
0.3820

■ 17.4292, 0.3669,
0.3531

■ 9.1182, 0.5212,
0.3835

■ 19.8079, 0.3453,
0.3444

■ 8.1041, 0.5533,
0.3807

■ 22.4454, 0.3268,
0.3360

■ 7.2748, 0.5817,
0.3745

■ 25.3494, 0.3111,
0.3282

■ 7.1926, 0.5848,
0.3738

■ 28.5273, 0.2977,
0.3209

■ 31.9862, 0.2863,
0.3142

■ 35.7329, 0.2766,
0.3081

■ 39.7739, 0.2682,
0.3025

Harmonies

Analogous

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



13.4149, 0.4062, 0.3277



13.4149, 0.4207, 0.3701



13.4149, 0.4034, 0.4072

Triad

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



13.4149, 0.4207, 0.3701



13.4149, 0.2602, 0.3739



13.4149, 0.2592, 0.2443

Complementary

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



13.4149, 0.4207, 0.3701



15.3719, 0.2418, 0.2821

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.



13.4149, 0.2266, 0.2487



13.4149, 0.4207, 0.3701



13.4149, 0.2268, 0.3192

Square

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



13.4149, 0.4207, 0.3701



13.4149, 0.3094, 0.4160



13.4149, 0.2153, 0.2740



13.4149, 0.3086, 0.2588

Rectangle

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



13.4149, 0.4207, 0.3701



13.4149, 0.3778, 0.4231



13.4149, 0.2153, 0.2740



13.4149, 0.2461, 0.2435

Sweetspot

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



13.4156, 0.4207, 0.3701



37.1027, 0.3384, 0.3414



10.9564, 0.3528, 0.2470



8.1340, 0.3419, 0.3429



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



13.4156, 0.4207, 0.3701



20.6819, 0.4573, 0.3780



20.3556, 0.3915, 0.4257



5.2994, 0.3273, 0.3362



6.7206, 0.5843, 0.3742



0.0693, 0.5116, 0.4320

Inverse Universe

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



15.3719, 0.2418, 0.2821



24.5825, 0.2276, 0.2689



9.1882, 0.2282, 0.2080



5.4165, 0.2991, 0.3217



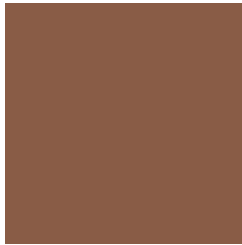
8.8387, 0.1948, 0.2212



0.0855, 0.2099, 0.2758

Previews

White Background



This preview shows how the Yxy color 13.4149, 0.4207, 0.3701 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 13.4149, 0.4207, 0.3701 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

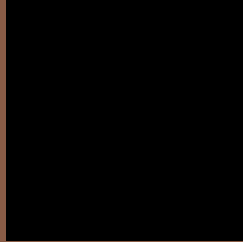
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.4149, 0.4207, 0.3701

Background



This preview shows how black text looks on a background with the Yxy color 13.4149, 0.4207, 0.3701.



This preview shows how white text looks on a background with the Yxy color 13.4149, 0.4207, 0.3701.

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

13.4149, 0.4207, 0.3701

Protanopia

13.5880, 0.3635, 0.3896

Deuteranopia

13.3760, 0.3947, 0.3879



Tritanopia

13.4599, 0.3849, 0.3181

Trichromacy



Original Color

13.4149, 0.4207, 0.3701

Protanomaly

13.3978, 0.3833, 0.3829

Deuteranomaly

13.3846, 0.4044, 0.3823

Tritanomaly

13.3875, 0.3978, 0.3367

Monochromacy



Original Color

13.4149, 0.4207, 0.3701

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.3238, 0.3485, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.4149, 0.4207, 0.3701 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(137, 92, 70)` looks like.

```
.text, #text, p{  
    color:rgb(137, 92, 70)  
}
```

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(137, 92, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 92, 70) }
```

Border

The CSS property to change the border of an element to Yxy 13.4149, 0.4207, 0.3701 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(137, 92, 70) }
```

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

```
.border{ border-color:rgb(137, 92, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 92, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 92, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 92, 70);  
box-shadow:4px 4px 4px 4px rgb(137, 92,  
70) }
```


Background

The CSS property to change the background color of an element to Yxy 13.4149, 0.4207, 0.3701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 92, 70) }
```

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

```
.background{ background-color: rgb(137, 92,  
70) }
```

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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