

Converting Colors

$Y_{xy}(12.9883, 0.4824, 0.3700)$

Have a look what the booklet for
Yxy(12.9883, 0.4824, 0.3700)
contains.

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Color

Yxy(13.0307, 0.4814, 0.3699)

Conversions

Conversions Part 1

Format	Color
Hex	9A5137
RGB	154, 81, 55
RGB Percent	60%, 32%, 22%
CMY	0.3961, 0.6823, 0.7842
CMYK	0.00, 0.47, 0.64, 0.40
HSL	16°, 47%, 41%
HSV	16°, 64%, 60%
XYZ	16.9586, 13.0307, 5.2383
YIQ	99.8630, 51.8540, 7.3900

Conversions

Conversions Part 2

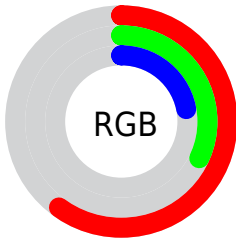
Format	Color
R_YB	154, 90, 55
Decimal	10113335
CIE Lab	42.81, 27.99, 28.66
CIE LCh	43, 40.061, 45.668
Yxy	13.0307, 0.4814, 0.3699
Android (android.graphics.Color)	4288303415 (0xFF9A5137)
YUV	99.8630, -22.1175, 47.4781
Hunter-Lab	36.0981, 20.6863, 16.6648

Details

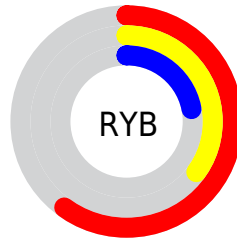
The Yxy color **13.0307, 0.4814, 0.3699** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **18.5880, 0.2256, 0.2771**, and the grayscale version is **12.7557, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.4788, 0.4389, 0.3650**, and **3.7649, 0.5570, 0.3699** is the 20% darker color. If you saturate the color by 10%, you get **11.3568, 0.5194, 0.3717**, and if you desaturate by 10%, it is **15.0344, 0.4449, 0.3655**.

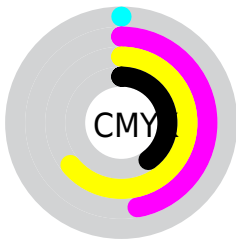
Distribution



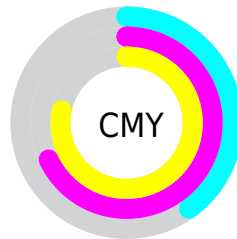
- Red (60%)
- Green (32%)
- Blue (22%)



- Red (60%)
- Yellow (35%)
- Blue (22%)



- Cyan (0%)
- Magenta (47%)
- Yellow (64%)
- Black (40%)





- Cyan (40%)
- Magenta (68%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.0307, 0.4814, 0.3699 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 13.0307, 0.4814, 0.3699 by changing the saturation by 10% instead.


 13.0307, 0.4814,
0.3699


 13.0307, 0.4814,
0.3699


211.1143, 0.3799,
0.3517

 7.4497, 0.5130,
0.3711


 31.3589, 0.4399,
0.3649


 3.7449, 0.5577,
0.3688

 44.8749, 0.4257,
0.3624

 1.5319, 0.6362,
0.3638

 61.8047, 0.4143,
0.3601

 0.3110, 0.7603,
0.2397

 82.5327, 0.4049,
0.3580

 0.0000, 0.0000,
0.0000

 107.4433, 0.3971,
0.3561

 136.9208, 0.3905,

0.3545

171.3497, 0.3848,
0.3530

■ 13.0307, 0.4814,
0.3699

■ 13.0307, 0.4814,
0.3699

■ 11.3568, 0.5194,
0.3717

■ 15.0344, 0.4449,
0.3655

■ 9.9922, 0.5558,
0.3697

■ 17.3829, 0.4118,
0.3593

■ 8.9169, 0.5868,
0.3636

■ 20.0925, 0.3828,
0.3524

■ 8.4164, 0.6026,
0.3597

■ 23.1779, 0.3580,
0.3453

■ 26.6530, 0.3370,
0.3383

■ 30.5310, 0.3194,
0.3317

■ 34.8244, 0.3046,
0.3255

■ 39.5451, 0.2921,
0.3199

■ 44.7047, 0.2816,
0.3147

Harmonies

Analogous

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



13.0307, 0.4501, 0.3096



13.0307, 0.4814, 0.3699



13.0307, 0.4592, 0.4306

Triad

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



13.0307, 0.4814, 0.3699



13.0307, 0.2429, 0.4207



13.0307, 0.2180, 0.2024

Complementary

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



13.0307, 0.4814, 0.3699



18.5880, 0.2256, 0.2771

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.



13.0307, 0.1786, 0.2118



13.0307, 0.4814, 0.3699



13.0307, 0.1896, 0.3273

Square

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



13.0307, 0.4814, 0.3699



13.0307, 0.3194, 0.4816



13.0307, 0.1687, 0.2521



13.0307, 0.2866, 0.2187

Rectangle

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



13.0307, 0.4814, 0.3699



13.0307, 0.4217, 0.4651



13.0307, 0.1687, 0.2521



13.0307, 0.2016, 0.2024

Sweetspot

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



13.0314, 0.4814, 0.3699



45.1031, 0.3473, 0.3418



11.1960, 0.3598, 0.2157



9.8323, 0.3530, 0.3437



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



13.0314, 0.4814, 0.3699



19.5051, 0.5353, 0.3713



22.9133, 0.4236, 0.4432



6.4733, 0.3277, 0.3349



6.9090, 0.6012, 0.3608



0.1563, 0.5302, 0.4172

Inverse Universe

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



18.5880, 0.2256, 0.2771



30.2220, 0.2130, 0.2634



8.8489, 0.2018, 0.1740



6.7520, 0.2989, 0.3230



11.6874, 0.2010, 0.2435



0.2325, 0.2127, 0.2858

Previews

White Background



This preview shows how the Yxy color 13.0307, 0.4814, 0.3699 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 13.0307, 0.4814, 0.3699 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

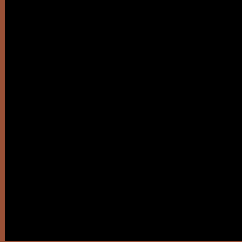
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.0307, 0.4814, 0.3699

Background



This preview shows how black text looks on a background with the Yxy color 13.0307, 0.4814, 0.3699.



This preview shows how white text looks on a background with the Yxy color 13.0307, 0.4814, 0.3699.

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

13.0307, 0.4814, 0.3699

Protanopia

13.2301, 0.3820, 0.4151

Deuteranopia

13.1573, 0.4226, 0.4164



Tritanopia

13.0002, 0.4407, 0.3196

Trichromacy



Original Color

13.0307, 0.4814, 0.3699

Protanomaly

12.8332, 0.4196, 0.3976

Deuteranomaly

12.9735, 0.4457, 0.3978

Tritanomaly

12.8984, 0.4565, 0.3375

Monochromacy



Original Color

13.0307, 0.4814, 0.3699

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.4619, 0.3702, 0.3479

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.0307, 0.4814, 0.3699 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(154, 81, 55)` looks like.

```
.text, #text, p{  
    color:rgb(154, 81, 55)  
}
```

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(154, 81, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 81, 55) }
```

Border

The CSS property to change the border of an element to Yxy 13.0307, 0.4814, 0.3699 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(154, 81, 55) }
```

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

```
.border{ border-color:rgb(154, 81, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 81, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 81, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 81, 55);  
box-shadow:4px 4px 4px 4px rgb(154, 81,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 13.0307, 0.4814, 0.3699 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 81, 55) }
```

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

```
.background{ background-color: rgb(154, 81,  
55) }
```

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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