

Converting Colors

$Y_{xy}(11.3841, 0.4845, 0.3747)$

Have a look what the booklet for
Yxy(11.3841, 0.4845, 0.3747)
contains.

Yxy(11.3199, 0.4835, 0.3738)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(11.3199, 0.4835, 0.3738)

Conversions

Conversions Part 1

Format	Color
Hex	904C31
RGB	144, 76, 49
RGB Percent	56%, 30%, 19%
CMY	0.4353, 0.7020, 0.8078
CMYK	0.00, 0.47, 0.66, 0.44
HSL	17°, 49%, 38%
HSV	17°, 66%, 56%
XYZ	14.6420, 11.3199, 4.3214
YIQ	93.2540, 49.1950, 6.0190

Conversions

Conversions Part 2

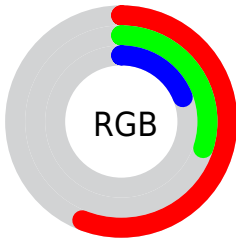
Format	Color
RYB	144, 87, 49
Decimal	9456689
CIELab	40.11, 26.16, 28.53
CIELCh	40, 38.708, 47.475
Yxy	11.3199, 0.4835, 0.3738
Android (android.graphics.Color)	4287646769 (0xFF904C31)
YUV	93.2540, -21.8172, 44.5042
Hunter-Lab	33.6451, 18.8025, 15.9362

Details

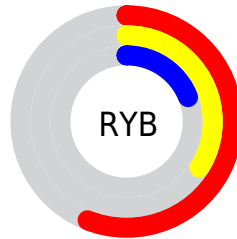
The Yxy color **11.3199, 0.4835, 0.3738** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **15.3982, 0.2232, 0.2713**, and the grayscale version is **11.0529, 0.3127, 0.3290**.

A 20% lighter version of the original color is **28.3228, 0.4407, 0.3678**, and **3.0092, 0.5712, 0.3756** is the 20% darker color. If you saturate the color by 10%, you get **9.9090, 0.5203, 0.3755**, and if you desaturate by 10%, it is **12.9986, 0.4478, 0.3692**.

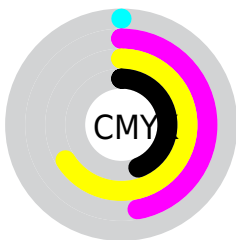
Distribution



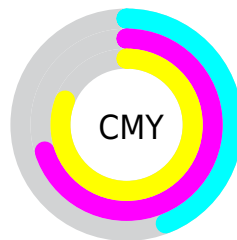
- Red (56%)
- Green (30%)
- Blue (19%)



- Red (56%)
- Yellow (34%)
- Blue (19%)



- Cyan (0%)
- Magenta (47%)
- Yellow (66%)
- Black (44%)





- Cyan (44%)
- Magenta (70%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.3199, 0.4835, 0.3738 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 11.3199, 0.4835, 0.3738 by changing the saturation by 10% instead.


 11.3199, 0.4835,
0.3738


 11.3199, 0.4835,
0.3738


199.8493, 0.3791,
0.3530


 6.2824, 0.5170,
0.3753


 28.2502, 0.4401,
0.3679


 3.0176, 0.5700,
0.3763

 40.9119, 0.4255,
0.3650


 1.1409, 0.6402,
0.3598

 56.8837, 0.4138,
0.3623

 0.0126, 0.9810,
0.0190

 76.5501, 0.4043,
0.3600

 0.0000, 0.0000,
0.0000

 100.2954, 0.3964,
0.3579

 128.5042, 0.3897,

0.3561

161.5607, 0.3840,
0.3544

■ 11.3199, 0.4835,
0.3738

■ 11.3199, 0.4835,
0.3738

■ 9.9090, 0.5203,
0.3755

■ 12.9986, 0.4478,
0.3692

■ 8.7495, 0.5553,
0.3733

■ 14.9569, 0.4150,
0.3628

■ 7.8244, 0.5852,
0.3670

■ 17.2078, 0.3861,
0.3554

■ 7.5087, 0.5966,
0.3645

■ 19.7629, 0.3612,
0.3478

■ 22.6334, 0.3400,
0.3402

■ 25.8297, 0.3220,
0.3331

■ 29.3618, 0.3069,
0.3264

■ 33.2392, 0.2941,
0.3202

■ 37.4711, 0.2833,
0.3145

Harmonies

Analogous

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



11.3199, 0.4553, 0.3128



11.3199, 0.4835, 0.3738



11.3199, 0.4579, 0.4349

Triad

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



11.3199, 0.4835, 0.3738



11.3199, 0.2379, 0.4166



11.3199, 0.2203, 0.2014

Complementary

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



11.3199, 0.4835, 0.3738



15.3982, 0.2232, 0.2713

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.



11.3199, 0.1788, 0.2091



11.3199, 0.4835, 0.3738



11.3199, 0.1860, 0.3217

Square

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



11.3199, 0.4835, 0.3738



11.3199, 0.3143, 0.4819



11.3199, 0.1670, 0.2476



11.3199, 0.2912, 0.2193

Rectangle

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



11.3199, 0.4835, 0.3738



11.3199, 0.4187, 0.4692



11.3199, 0.1670, 0.2476



11.3199, 0.2031, 0.2009

Sweetspot

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



11.3205, 0.4835, 0.3738



37.5913, 0.3490, 0.3435



9.4153, 0.3672, 0.2186



8.3305, 0.3544, 0.3454



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.



11.3205, 0.4835, 0.3738



16.4680, 0.5371, 0.3750



20.4245, 0.4222, 0.4493



5.6580, 0.3275, 0.3353



6.5740, 0.5957, 0.3652



0.0965, 0.5229, 0.4230

Inverse Universe

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



15.3982, 0.2232, 0.2713



24.0491, 0.2103, 0.2560



6.9983, 0.1980, 0.1637



5.8610, 0.2990, 0.3226



10.2605, 0.1990, 0.2364



0.1357, 0.2123, 0.2841

Previews

White Background



This preview shows how the Yxy color 11.3199, 0.4835, 0.3738 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 11.3199, 0.4835, 0.3738 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

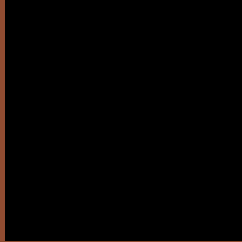
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.3199, 0.4835, 0.3738

Background



This preview shows how black text looks on a background with the Yxy color 11.3199, 0.4835, 0.3738.



This preview shows how white text looks on a background with the Yxy color 11.3199, 0.4835, 0.3738.

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

11.3199, 0.4835, 0.3738

Protanopia

11.4130, 0.3849, 0.4178

Deuteranopia

11.4613, 0.4251, 0.4211



Tritanopia

11.2958, 0.4390, 0.3190

Trichromacy



Original Color

11.3199, 0.4835, 0.3738

Protanomaly

11.1584, 0.4223, 0.4014

Deuteranomaly

11.3728, 0.4468, 0.4035

Tritanomaly

11.1901, 0.4576, 0.3397

Monochromacy



Original Color

11.3199, 0.4835, 0.3738

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.7970, 0.3719, 0.3514

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.3199, 0.4835, 0.3738 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, 76, 49)` looks like.

```
.text, #text, p{  
    color:rgb(144, 76, 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(144, 76, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 76, 49) }
```

Border

The CSS property to change the border of an element to Yxy 11.3199, 0.4835, 0.3738 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, 76, 49) }
```

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

```
.border{ border-color:rgb(144, 76, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 76, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 76, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 76, 49);  
box-shadow:4px 4px 4px 4px rgb(144, 76,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 11.3199, 0.4835, 0.3738 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 76, 49) }
```

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

```
.background{ background-color: rgb(144, 76,  
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