

Converting Colors

$Y_{xy}(12.4702, 0.4849, 0.4055)$

Have a look what the booklet for
Yxy(12.4702, 0.4849, 0.4055)
contains.

Yxy(12.4702, 0.4849, 0.4055)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(12.4702, 0.4849, 0.4055)

Conversions

Conversions Part 1

Format	Color
Hex	8F5525
RGB	143, 85, 37
RGB Percent	56%, 33%, 15%
CMY	0.4392, 0.6667, 0.8549
CMYK	0.00, 0.41, 0.74, 0.44
HSL	27°, 59%, 35%
HSV	27°, 74%, 56%
XYZ	14.9120, 12.4702, 3.3705
YIQ	96.8700, 49.9760, -2.6320

Conversions

Conversions Part 2

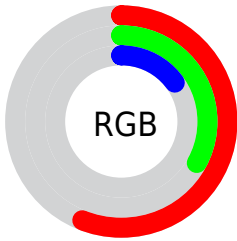
Format	Color
R_{YB}	143, 125, 37
Decimal	9393445
CIE Lab	41.95, 19.87, 37.12
CIE LCh	42, 42.107, 61.842
Yxy	12.4702, 0.4849, 0.4055
Android (android.graphics.Color)	4287583525 (0xFF8F5525)
YUV	96.8700, -29.5159, 40.4560
Hunter-Lab	35.3132, 13.5785, 19.0602

Details

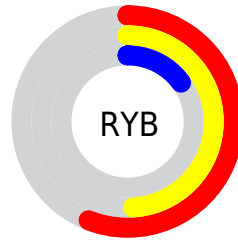
The Yxy color **12.4702, 0.4849, 0.4055** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.5631, 0.2049, 0.2206**, and the grayscale version is **11.9852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3855, 0.4451, 0.3937**, and **3.5257, 0.5456, 0.4050** is the 20% darker color. If you saturate the color by 10%, you get **11.2331, 0.5126, 0.4070**, and if you desaturate by 10%, it is **13.8801, 0.4560, 0.3997**.

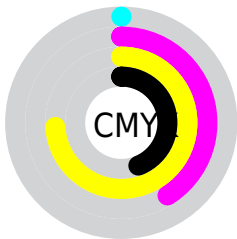
Distribution



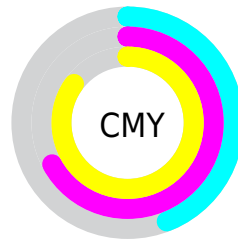
- Red (56%)
- Green (33%)
- Blue (15%)



- Red (56%)
- Yellow (49%)
- Blue (15%)



- Cyan (0%)
- Magenta (41%)
- Yellow (74%)
- Black (44%)





- Cyan (44%)
- Magenta (67%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4702, 0.4849, 0.4055 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 12.4702, 0.4849, 0.4055 by changing the saturation by 10% instead.


 12.4702, 0.4849,
0.4055


 12.4702, 0.4849,
0.4055


207.4938, 0.3829,
0.3675


 7.0648, 0.5143,
0.4109


 30.3486, 0.4442,
0.3934


 3.5026, 0.5692,
0.4246

 43.5904, 0.4299,
0.3881

 1.3994, 0.6004,
0.3996

 60.2131, 0.4183,
0.3834

 0.2163, 0.7615,
0.2385

 80.6011, 0.4087,
0.3793

 0.0000, 0.0000,
0.0000

 105.1387, 0.4007,
0.3758

 134.2105, 0.3939,

0.3727

168.2007, 0.3880,
0.3699

12.4702, 0.4849,
0.4055

12.4702, 0.4849,
0.4055

11.2331, 0.5126,
0.4070

13.8801, 0.4560,
0.3997

10.1580, 0.5373,
0.4035

15.4688, 0.4276,
0.3909

9.5933, 0.5513,
0.4005

17.2441, 0.4009,
0.3801

19.2129, 0.3765,
0.3683

21.3814, 0.3548,
0.3564

■ 23.7558, 0.3357,
0.3446

■ 26.3417, 0.3190,
0.3334

■ 29.1447, 0.3045,
0.3229

■ 32.1699, 0.2919,
0.3132

Harmonies

Analogous

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



12.4702, 0.4843, 0.3410



12.4702, 0.4849, 0.4055



12.4702, 0.4357, 0.4659

Triad

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



12.4702, 0.4849, 0.4055



12.4702, 0.2039, 0.3731



12.4702, 0.2477, 0.2019

Complementary

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



12.4702, 0.4849, 0.4055



10.5631, 0.2049, 0.2206

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.



12.4702, 0.1897, 0.1964



12.4702, 0.4849, 0.4055



12.4702, 0.1667, 0.2788

Square

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



12.4702, 0.4849, 0.4055



12.4702, 0.2733, 0.4659



12.4702, 0.1629, 0.2198



12.4702, 0.3337, 0.2317

Rectangle

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



12.4702, 0.4849, 0.4055



12.4702, 0.3858, 0.4930



12.4702, 0.1629, 0.2198



12.4702, 0.2249, 0.1972

Sweetspot

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



12.4708, 0.4849, 0.4055



38.9660, 0.3514, 0.3544



7.9953, 0.4167, 0.2368



8.7120, 0.3563, 0.3572



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.



12.4708, 0.4849, 0.4055



18.7829, 0.5297, 0.4052



24.0694, 0.4135, 0.4806



5.8011, 0.3271, 0.3390



8.5214, 0.5505, 0.4011



0.1246, 0.4851, 0.4531

Inverse Universe

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



10.5631, 0.2049, 0.2206



15.1043, 0.1891, 0.1920



4.0535, 0.1771, 0.1094



5.7133, 0.2990, 0.3188



6.6454, 0.1827, 0.1778



0.1076, 0.2027, 0.2498

Previews

White Background



This preview shows how the Yxy color 12.4702, 0.4849, 0.4055 looks on a white background.

Color Contrast Check

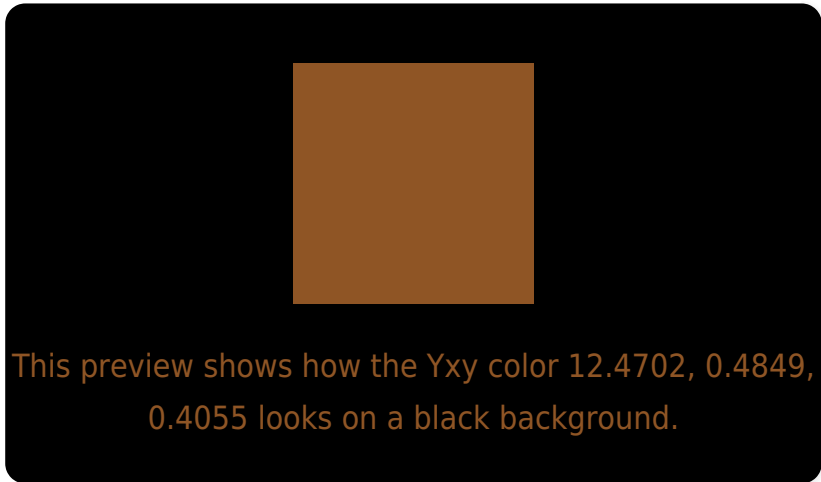
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.4702, 0.4849, 0.4055

Background



This preview shows how black text looks on a background with the Yxy color 12.4702, 0.4849, 0.4055.



This preview shows how white text looks on a background with the Yxy color 12.4702, 0.4849, 0.4055.

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

12.4702, 0.4849, 0.4055

Protanopia

12.6539, 0.4097, 0.4503

Deuteranopia

12.5850, 0.4446, 0.4408



Tritanopia

12.5202, 0.4176, 0.3188

Trichromacy



Original Color

12.4702, 0.4849, 0.4055

Protanomaly

12.5486, 0.4367, 0.4334

Deuteranomaly

12.4288, 0.4604, 0.4269

Tritanomaly

12.4717, 0.4464, 0.3537

Monochromacy



Original Color

12.4702, 0.4849, 0.4055

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.9141, 0.3747, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4702, 0.4849, 0.4055 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, 85, 37)` looks like.

```
.text, #text, p{  
    color:rgb(143, 85, 37)  
}
```

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, 85, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 85, 37) }
```

Border

The CSS property to change the border of an element to Yxy 12.4702, 0.4849, 0.4055 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, 85, 37) }
```

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

```
.border{ border-color:rgb(143, 85, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 85, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 85, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 85, 37);  
box-shadow:4px 4px 4px 4px rgb(143, 85,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4702, 0.4849, 0.4055 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 85, 37) }
```

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

```
.background{ background-color: rgb(143, 85,  
37) }
```

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