

Converting Colors

$Y_{xy}(12.9378, 0.5044, 0.3730)$

Have a look what the booklet for
Yxy(12.9378, 0.5044, 0.3730)
contains.

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Color

Yxy(12.8839, 0.5047, 0.3723)

Conversions

Conversions Part 1

Format	Color
Hex	9F4D2F
RGB	159, 77, 47
RGB Percent	62%, 30%, 18%
CMY	0.3765, 0.6980, 0.8156
CMYK	0.00, 0.52, 0.70, 0.38
HSL	16°, 54%, 40%
HSV	16°, 70%, 62%
XYZ	17.4658, 12.8839, 4.2566
YIQ	98.0980, 58.5020, 8.0540

Conversions

Conversions Part 2

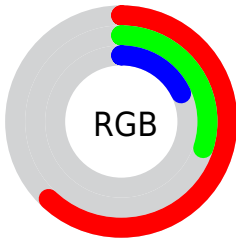
Format	Color
R_{YB}	159, 88, 47
Decimal	10439983
CIE _{Lab}	42.59, 31.73, 33.14
CIE _{LCh}	43, 45.877, 46.242
Yxy	12.8839, 0.5047, 0.3723
Android (android.graphics.Color)	4288630063 (0xFF9F4D2F)
YUV	98.0980, -25.1913, 53.4111
Hunter-Lab	35.8941, 24.0417, 18.0949

Details

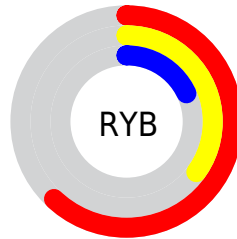
The Yxy color **12.8839, 0.5047, 0.3723** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **18.8115, 0.2192, 0.2698**, and the grayscale version is **12.2934, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1519, 0.4581, 0.3692**, and **3.7035, 0.5904, 0.3694** is the 20% darker color. If you saturate the color by 10%, you get **11.2928, 0.5420, 0.3719**, and if you desaturate by 10%, it is **14.8148, 0.4671, 0.3693**.

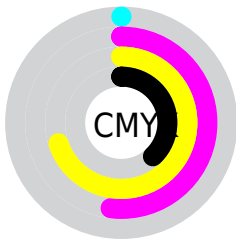
Distribution



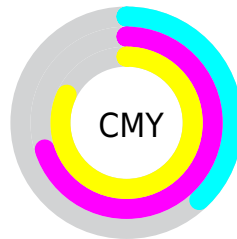
- Red (62%)
- Green (30%)
- Blue (18%)



- Red (62%)
- Yellow (35%)
- Blue (18%)



- Cyan (0%)
- Magenta (52%)
- Yellow (70%)
- Black (38%)





- Cyan (38%)
- Magenta (70%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8839, 0.5047, 0.3723 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 12.8839, 0.5047, 0.3723 by changing the saturation by 10% instead.


 12.8839, 0.5047,
0.3723


 12.8839, 0.5047,
0.3723


210.1723, 0.3900,
0.3549

 7.3486, 0.5391,
0.3715


 31.0950, 0.4583,
0.3686


 3.6811, 0.5911,
0.3683

 44.5397, 0.4423,
0.3662


 1.4968, 0.6540,
0.3460

 61.3897, 0.4293,
0.3639

 0.2865, 0.7879,
0.2121

 82.0293, 0.4186,
0.3618

 0.0000, 0.0000,
0.0000

 106.8430, 0.4097,
0.3598

 136.2151, 0.4021,

0.3580

170.5301, 0.3956,
0.3564

■ 12.8839, 0.5047,
0.3723

■ 12.8839, 0.5047,
0.3723

■ 11.2928, 0.5420,
0.3719

■ 14.8148, 0.4671,
0.3693

■ 10.0185, 0.5753,
0.3673

■ 17.1024, 0.4318,
0.3640

■ 9.0687, 0.6018,
0.3603

■ 19.7648, 0.4003,
0.3574

■ 22.8184, 0.3729,
0.3501

■ 26.2783, 0.3496,
0.3429

■ 30.1591, 0.3299,
0.3359

■ 34.4745, 0.3134,
0.3293

■ 39.2375, 0.2995,
0.3232

■ 44.4606, 0.2878,
0.3176

Harmonies

Analogous

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



12.8839, 0.4717, 0.3064



12.8839, 0.5047, 0.3723



12.8839, 0.4755, 0.4407

Triad

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



12.8839, 0.5047, 0.3723



12.8839, 0.2305, 0.4341



12.8839, 0.2070, 0.1877

Complementary

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



12.8839, 0.5047, 0.3723



18.8115, 0.2192, 0.2698

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.



12.8839, 0.1635, 0.1964



12.8839, 0.5047, 0.3723



12.8839, 0.1729, 0.3233

Square

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



12.8839, 0.5047, 0.3723



12.8839, 0.3156, 0.5064



12.8839, 0.1518, 0.2389



12.8839, 0.2839, 0.2063

Rectangle

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



12.8839, 0.5047, 0.3723



12.8839, 0.4315, 0.4819



12.8839, 0.1518, 0.2389



12.8839, 0.1888, 0.1874

Sweetspot

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



12.8846, 0.5047, 0.3723



46.4297, 0.3516, 0.3436



10.9938, 0.3695, 0.2106



10.0942, 0.3574, 0.3454



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



12.8846, 0.5047, 0.3723



18.7482, 0.5633, 0.3695



24.3166, 0.4320, 0.4532



6.9208, 0.3278, 0.3351



7.2235, 0.6003, 0.3615



0.1930, 0.5314, 0.4163

Inverse Universe

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



18.8115, 0.2192, 0.2698



29.7541, 0.2070, 0.2538



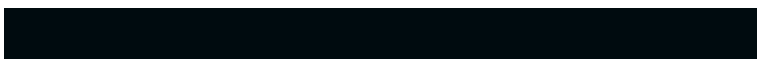
7.8916, 0.1907, 0.1532



7.2087, 0.2988, 0.3229



11.9905, 0.2004, 0.2416



0.2794, 0.2113, 0.2805

Previews

White Background



This preview shows how the Yxy color 12.8839, 0.5047, 0.3723 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 12.8839, 0.5047, 0.3723 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 12.8839, 0.5047, 0.3723

Background



This preview shows how black text looks on a background with the Yxy color 12.8839, 0.5047, 0.3723.



This preview shows how white text looks on a background with the Yxy color 12.8839, 0.5047, 0.3723.

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

12.8839, 0.5047, 0.3723

Protanopia

12.9627, 0.3920, 0.4271

Deuteranopia

12.9758, 0.4365, 0.4284



Tritanopia

12.8922, 0.4606, 0.3217

Trichromacy



Original Color

12.8839, 0.5047, 0.3723

Protanomaly

12.4914, 0.4335, 0.4056

Deuteranomaly

12.7299, 0.4633, 0.4065

Tritanomaly

12.7764, 0.4781, 0.3401

Monochromacy



Original Color

12.8839, 0.5047, 0.3723

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.8699, 0.3803, 0.3523

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8839, 0.5047, 0.3723 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(159, 77, 47)` looks like.

```
.text, #text, p{  
    color:rgb(159, 77, 47)  
}
```

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(159, 77, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 77, 47) }
```

Border

The CSS property to change the border of an element to Yxy 12.8839, 0.5047, 0.3723 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(159, 77, 47) }
```

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

```
.border{ border-color:rgb(159, 77, 47) }
```

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

Here you see how a box with a 4 pixel rgb(159, 77, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 77, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 77, 47);  
box-shadow:4px 4px 4px 4px rgb(159, 77,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8839, 0.5047, 0.3723 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 77, 47) }
```

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

```
.background{ background-color: rgb(159, 77,  
47) }
```

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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