

Converting Colors

$Y_{xy}(12.3925, 0.4937, 0.3525)$

Have a look what the booklet for
Yxy(12.3925, 0.4937, 0.3525)
contains.

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Color

Yxy(12.4314, 0.4948, 0.3531)

Conversions

Conversions Part 1

Format	Color
Hex	9F4939
RGB	159, 73, 57
RGB Percent	62%, 29%, 22%
CMY	0.3765, 0.7137, 0.7764
CMYK	0.00, 0.54, 0.64, 0.38
HSL	9°, 47%, 42%
HSV	9°, 64%, 62%
XYZ	17.4202, 12.4314, 5.3549
YIQ	96.8900, 56.3920, 13.2560

Conversions

Conversions Part 2

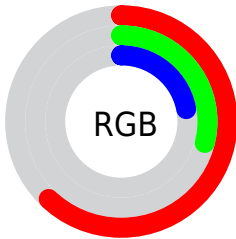
Format	Color
RYB	159, 76, 57
Decimal	10438969
CIELab	41.89, 34.47, 26.54
CIELCh	42, 43.507, 37.593
Yxy	12.4314, 0.4948, 0.3531
Android (android.graphics.Color)	4288629049 (0xFF9F4939)
YUV	96.8900, -19.6658, 54.4705
Hunter-Lab	35.2582, 26.4904, 15.6760

Details

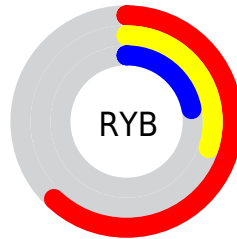
The Yxy color **12.4314, 0.4948, 0.3531** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **23.0261, 0.2305, 0.2986**, and the grayscale version is **11.9651, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.3202, 0.4498, 0.3532**, and **3.4693, 0.5801, 0.3431** is the 20% darker color. If you saturate the color by 10%, you get **10.7213, 0.5372, 0.3534**, and if you desaturate by 10%, it is **14.5725, 0.4540, 0.3508**.

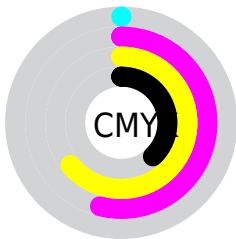
Distribution



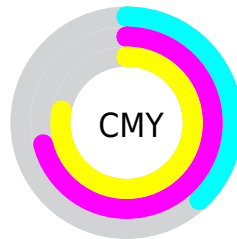
- Red (62%)
- Green (29%)
- Blue (22%)



- Red (62%)
- Yellow (30%)
- Blue (22%)



- Cyan (0%)
- Magenta (54%)
- Yellow (64%)
- Black (38%)




- Cyan (38%)
- Magenta (71%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.4314, 0.4948, 0.3531 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 12.4314, 0.4948, 0.3531 by changing the saturation by 10% instead.


 12.4314, 0.4948,
0.3531


 12.4314, 0.4948,
0.3531


207.2407, 0.3844,
0.3453


 7.0382, 0.5299,
0.3508


 30.2784, 0.4492,
0.3525


 3.4860, 0.5796,
0.3433

 43.5010, 0.4338,
0.3515


 1.3904, 0.6694,
0.3306

 60.1022, 0.4214,
0.3503

 0.2096, 0.8345,
0.1655

 80.4664, 0.4113,
0.3492

 0.0000, 0.0000,
0.0000

 104.9779, 0.4028,
0.3481

 134.0212, 0.3957,

0.3471

167.9807, 0.3896,
0.3461

■ 12.4314, 0.4948,
0.3531

■ 12.4314, 0.4948,
0.3531

■ 10.7213, 0.5372,
0.3534

■ 14.5725, 0.4540,
0.3508

■ 9.4107, 0.5768,
0.3511

■ 17.1691, 0.4173,
0.3473

■ 8.4669, 0.6084,
0.3460

■ 20.2466, 0.3858,
0.3431

■ 8.0629, 0.6234,
0.3432

■ 23.8275, 0.3593,
0.3388

■ 27.9332, 0.3373,
0.3346

■ 32.5837, 0.3192,
0.3306

■ 37.7980, 0.3043,
0.3269

■ 43.5940, 0.2920,
0.3235

■ 49.9892, 0.2818,
0.3204

Harmonies

Analogous

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



12.4314, 0.4451, 0.2903



12.4314, 0.4948, 0.3531



12.4314, 0.4835, 0.4194

Triad

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



12.4314, 0.4948, 0.3531



12.4314, 0.2559, 0.4561



12.4314, 0.1951, 0.1917

Complementary

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



12.4314, 0.4948, 0.3531



23.0261, 0.2305, 0.2986

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.



12.4314, 0.1618, 0.2092



12.4314, 0.4948, 0.3531



12.4314, 0.1904, 0.3539

Square

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



12.4314, 0.4948, 0.3531



12.4314, 0.3419, 0.5041



12.4314, 0.1594, 0.2620



12.4314, 0.2606, 0.2025

Rectangle

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



12.4314, 0.4948, 0.3531



12.4314, 0.4482, 0.4614



12.4314, 0.1594, 0.2620



12.4314, 0.1805, 0.1942

Sweetspot

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



12.4321, 0.4948, 0.3531



46.0638, 0.3483, 0.3367



12.3043, 0.3427, 0.2030



9.9456, 0.3544, 0.3379



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.



12.4321, 0.4948, 0.3531



18.1001, 0.5549, 0.3528



21.9099, 0.4345, 0.4296



6.8057, 0.3280, 0.3326



6.4101, 0.6222, 0.3442



0.1561, 0.5667, 0.3882

Inverse Universe

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



23.0261, 0.2305, 0.2986



38.4040, 0.2200, 0.2908



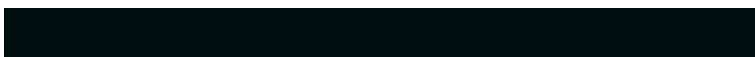
11.1526, 0.2065, 0.1946



7.3323, 0.2988, 0.3254



15.5126, 0.2110, 0.2795



0.3207, 0.2170, 0.3012

Previews

White Background



This preview shows how the Yxy color 12.4314, 0.4948, 0.3531 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 12.4314, 0.4948, 0.3531 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 12.4314, 0.4948, 0.3531

Background



This preview shows how black text looks on a background with the Yxy color 12.4314, 0.4948, 0.3531.



This preview shows how white text looks on a background with the Yxy color 12.4314, 0.4948, 0.3531.

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

12.4314, 0.4948, 0.3531

Protanopia

12.5171, 0.3726, 0.4001

Deuteranopia

12.5790, 0.4189, 0.4129



Tritanopia

12.4881, 0.4665, 0.3233

Trichromacy



Original Color

12.4314, 0.4948, 0.3531

Protanomaly

12.1832, 0.4179, 0.3826

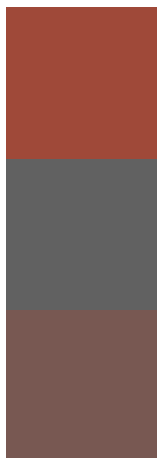
Deuteranomaly

12.2336, 0.4478, 0.3895

Tritanomaly

12.5257, 0.4784, 0.3355

Monochromacy



Original Color

12.4314, 0.4948, 0.3531

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.5817, 0.3765, 0.3418

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.4314, 0.4948, 0.3531 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, 73, 57)` looks like.

```
.text, #text, p{  
  color:rgb(159, 73, 57)  
}
```

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, 73, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 73, 57) }
```

Border

The CSS property to change the border of an element to Yxy 12.4314, 0.4948, 0.3531 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, 73, 57) }
```

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

```
.border{ border-color:rgb(159, 73, 57) }
```

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

Here you see how a box with a 4 pixel rgb(159, 73, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 73, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 73, 57);  
box-shadow:4px 4px 4px 4px rgb(159, 73,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 12.4314, 0.4948, 0.3531 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 73, 57) }
```

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

```
.background{ background-color: rgb(159, 73,  
57) }
```

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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