

Converting Colors

$Y_{xy}(12.0407, 0.4714, 0.3488)$

Have a look what the booklet for
Yxy(12.0407, 0.4714, 0.3488)
contains.

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Color

Yxy(11.9703, 0.4715, 0.3489)

Conversions

Conversions Part 1

Format	Color
Hex	974B3F
RGB	151, 75, 63
RGB Percent	59%, 29%, 25%
CMY	0.4078, 0.7059, 0.7529
CMYK	0.00, 0.50, 0.58, 0.41
HSL	8°, 41%, 42%
HSV	8°, 58%, 59%
XYZ	16.1765, 11.9703, 6.1618
YIQ	96.3560, 49.1480, 12.3800

Conversions

Conversions Part 2

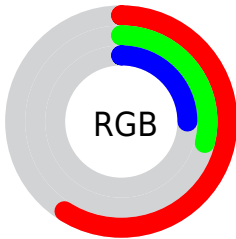
Format	Color
RYB	151, 77, 63
Decimal	9915199
CIELab	41.17, 30.67, 21.78
CIELCh	41, 37.619, 35.381
Yxy	11.9703, 0.4715, 0.3489
Android (android.graphics.Color)	4288105279 (0xFF974B3F)
YUV	96.3560, -16.4445, 47.9228
Hunter-Lab	34.5981, 22.9120, 13.6593

Details

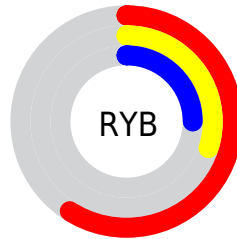
The Yxy color **11.9703, 0.4715, 0.3489** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.7605, 0.2369, 0.3055**, and the grayscale version is **11.8206, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3702, 0.4311, 0.3470**, and **3.2673, 0.5501, 0.3432** is the 20% darker color. If you saturate the color by 10%, you get **10.2330, 0.5139, 0.3502**, and if you desaturate by 10%, it is **14.1179, 0.4325, 0.3462**.

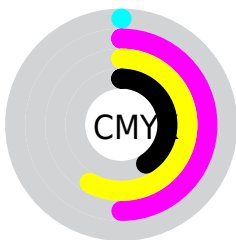
Distribution



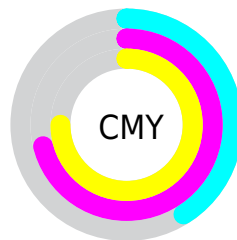
- Red (59%)
- Green (29%)
- Blue (25%)



- Red (59%)
- Yellow (30%)
- Blue (25%)



- Cyan (0%)
- Magenta (50%)
- Yellow (58%)
- Black (41%)





- Cyan (41%)
- Magenta (71%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 11.9703, 0.4715, 0.3489 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 11.9703, 0.4715, 0.3489 by changing the saturation by 10% instead.


 11.9703, 0.4715,
0.3489


 11.9703, 0.4715,
0.3489


204.2086, 0.3742,
0.3417

 6.7235, 0.5037,
0.3477


 29.4410, 0.4307,
0.3478


 3.2898, 0.5504,
0.3424

 42.4337, 0.4171,
0.3468


 1.2848, 0.6564,
0.3436

 58.7770, 0.4063,
0.3458

 0.1294, 0.8708,
0.1292

 78.8555, 0.3975,
0.3448

 0.0000, 0.0000,
0.0000

 103.0535, 0.3901,
0.3439

 131.7554, 0.3840,

0.3431

165.3457, 0.3787,
0.3423

■ 11.9703, 0.4715,
0.3489

■ 11.9703, 0.4715,
0.3489

■ 10.2330, 0.5139,
0.3502

■ 14.1179, 0.4325,
0.3462

■ 8.8780, 0.5563,
0.3495

■ 16.6978, 0.3985,
0.3428

■ 7.8765, 0.5935,
0.3463

■ 19.7327, 0.3697,
0.3390

■ 7.1915, 0.6215,
0.3417

■ 23.2431, 0.3459,
0.3353

■ 7.1006, 0.6259,
0.3412

■ 27.2483, 0.3263,
0.3318

■ 31.7664, 0.3102,
0.3284

■ 36.8149, 0.2969,
0.3254

■ 42.4100, 0.2859,
0.3226

■ 48.5676, 0.2768,
0.3201

Harmonies

Analogous

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



11.9703, 0.4237, 0.2916



11.9703, 0.4715, 0.3489



11.9703, 0.4674, 0.4087

Triad

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



11.9703, 0.4715, 0.3489



11.9703, 0.2693, 0.4435



11.9703, 0.2044, 0.2060

Complementary

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



11.9703, 0.4715, 0.3489



21.7605, 0.2369, 0.3055

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.



11.9703, 0.1757, 0.2252



11.9703, 0.4715, 0.3489



11.9703, 0.2078, 0.3585

Square

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



11.9703, 0.4715, 0.3489



11.9703, 0.3469, 0.4817



11.9703, 0.1762, 0.2763



11.9703, 0.2619, 0.2137

Rectangle

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



11.9703, 0.4715, 0.3489



11.9703, 0.4392, 0.4454



11.9703, 0.1762, 0.2763



11.9703, 0.1916, 0.2092

Sweetspot

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



11.9709, 0.4715, 0.3489



42.2541, 0.3439, 0.3350



12.0078, 0.3368, 0.2104



9.3262, 0.3478, 0.3356



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



11.9709, 0.4715, 0.3489



17.4946, 0.5274, 0.3502



20.0704, 0.4231, 0.4198



6.3517, 0.3280, 0.3321



6.0667, 0.6251, 0.3419



0.1214, 0.5725, 0.3836

Inverse Universe

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



21.7605, 0.2369, 0.3055



36.6183, 0.2260, 0.2994



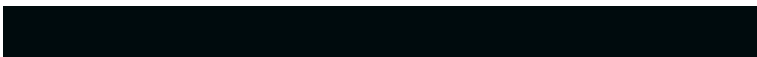
11.5255, 0.2170, 0.2128



6.8830, 0.2989, 0.3259



15.6091, 0.2129, 0.2863



0.2680, 0.2186, 0.3071

Previews

White Background



This preview shows how the Yxy color 11.9703, 0.4715, 0.3489 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 11.9703, 0.4715, 0.3489 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

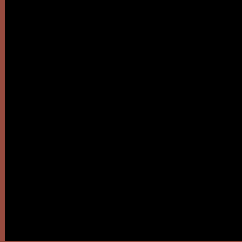
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 11.9703, 0.4715, 0.3489

Background



This preview shows how black text looks on a background with the Yxy color 11.9703, 0.4715, 0.3489.



This preview shows how white text looks on a background with the Yxy color 11.9703, 0.4715, 0.3489.

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

11.9703, 0.4715, 0.3489

Protanopia

12.2065, 0.3612, 0.3880

Deuteranopia

12.0065, 0.4046, 0.3981



Tritanopia

11.9905, 0.4474, 0.3211

Trichromacy



Original Color

11.9703, 0.4715, 0.3489

Protanomaly

11.8796, 0.4001, 0.3726

Deuteranomaly

11.7383, 0.4302, 0.3776

Tritanomaly

12.0540, 0.4559, 0.3311

Monochromacy



Original Color

11.9703, 0.4715, 0.3489

Achromatopsia

11.6971, 0.3127, 0.3290

Achromatomaly

11.3325, 0.3664, 0.3378

CSS Examples

Text

The CSS property to change the color of the text to Yxy 11.9703, 0.4715, 0.3489 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(151, 75, 63)` looks like.

```
.text, #text, p{  
    color:rgb(151, 75, 63)  
}
```

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(151, 75, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 75, 63) }
```

Border

The CSS property to change the border of an element to Yxy 11.9703, 0.4715, 0.3489 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(151, 75, 63) }
```

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

```
.border{ border-color:rgb(151, 75, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 75, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 75, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 75, 63);  
box-shadow:4px 4px 4px 4px rgb(151, 75,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 11.9703, 0.4715, 0.3489 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 75, 63) }
```

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

```
.background{ background-color: rgb(151, 75,  
63) }
```

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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