

Converting Colors

$Y_{xy}(12.9681, 0.4852, 0.3474)$

Have a look what the booklet for
Yxy(12.9681, 0.4852, 0.3474)
contains.

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Color

Yxy(12.9681, 0.4852, 0.3474)

Conversions

Conversions Part 1

Format	Color
Hex	A14B3F
RGB	161, 75, 63
RGB Percent	63%, 29%, 25%
CMY	0.3686, 0.7059, 0.7530
CMYK	0.00, 0.53, 0.61, 0.37
HSL	7°, 44%, 44%
HSV	7°, 61%, 63%
XYZ	18.1120, 12.9681, 6.2489
YIQ	99.3460, 55.1080, 14.5000

Conversions

Conversions Part 2

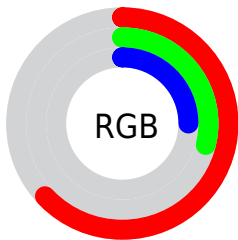
Format	Color
R_{YB}	161, 77, 63
Decimal	10570559
CIE _{Lab}	42.72, 34.64, 24.09
CIE _{LCh}	43, 42.195, 34.810
Yxy	12.9681, 0.4852, 0.3474
Android (android.graphics.Color)	4288760639 (0xFFA14B3F)
YUV	99.3460, -17.9186, 54.0706
Hunter-Lab	36.0112, 26.7578, 14.9195

Details

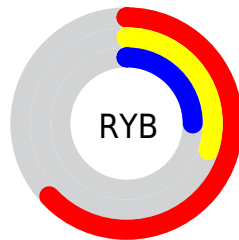
The Yxy color **12.9681, 0.4852, 0.3474** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **25.1222, 0.2348, 0.3067**, and the grayscale version is **12.6050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2851, 0.4422, 0.3472**, and **3.6888, 0.5662, 0.3378** is the 20% darker color. If you saturate the color by 10%, you get **11.1061, 0.5287, 0.3480**, and if you desaturate by 10%, it is **15.3097, 0.4443, 0.3453**.

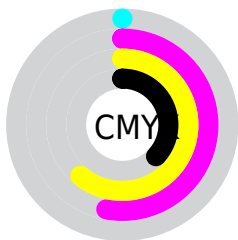
Distribution



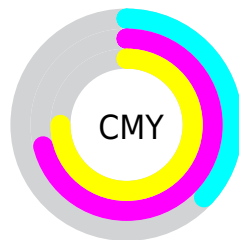
- Red (63%)
- Green (29%)
- Blue (25%)



- Red (63%)
- Yellow (30%)
- Blue (25%)



- Cyan (0%)
- Magenta (53%)
- Yellow (61%)
- Black (37%)





- Cyan (37%)
- Magenta (71%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9681, 0.4852, 0.3474 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 12.9681, 0.4852, 0.3474 by changing the saturation by 10% instead.


 12.9681, 0.4852,
0.3474


 12.9681, 0.4852,
0.3474


210.7131, 0.3808,
0.3421


 7.4066, 0.5186,
0.3451


 31.2465, 0.4421,
0.3474


 3.7177, 0.5658,
0.3381

 44.7321, 0.4275,
0.3467


 1.5169, 0.6659,
0.3341

 61.6279, 0.4158,
0.3459

 0.3006, 0.7950,
0.2050

 82.3183, 0.4062,
0.3451

 0.0000, 1.0000,
0.0000

 107.1876, 0.3983,
0.3443

 0.0000, 0.0000,
0.0000

 136.6202, 0.3915,

0.3435

171.0006, 0.3858,
0.3428

■ 12.9681, 0.4852,
0.3474

■ 12.9681, 0.4852,
0.3474

■ 11.1061, 0.5287,
0.3480

■ 15.3097, 0.4443,
0.3453

■ 9.6884, 0.5707,
0.3466

■ 18.1588, 0.4081,
0.3423

■ 8.6781, 0.6053,
0.3430

■ 21.5437, 0.3775,
0.3390

■ 8.0689, 0.6284,
0.3393

■ 25.4900, 0.3521,
0.3356

■ 30.0217, 0.3312,
0.3323

■ 35.1613, 0.3141,
0.3293

■ 40.9301, 0.3000,
0.3264

■ 47.3485, 0.2885,
0.3239

■ 54.4358, 0.2790,
0.3216

Harmonies

Analogous

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



12.9681, 0.4324, 0.2869



12.9681, 0.4852, 0.3474



12.9681, 0.4803, 0.4114

Triad

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



12.9681, 0.4852, 0.3474



12.9681, 0.2660, 0.4570



12.9681, 0.1951, 0.1969

Complementary

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



12.9681, 0.4852, 0.3474



25.1222, 0.2348, 0.3067

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.



12.9681, 0.1655, 0.2171



12.9681, 0.4852, 0.3474



12.9681, 0.1998, 0.3626

Square

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



12.9681, 0.4852, 0.3474



12.9681, 0.3496, 0.4965



12.9681, 0.1662, 0.2720



12.9681, 0.2558, 0.2049

Rectangle

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



12.9681, 0.4852, 0.3474



12.9681, 0.4494, 0.4521



12.9681, 0.1662, 0.2720



12.9681, 0.1819, 0.2003

Sweetspot

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



12.9688, 0.4852, 0.3474



47.6081, 0.3464, 0.3348



13.3195, 0.3358, 0.2038



9.9764, 0.3525, 0.3357



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.



12.9688, 0.4852, 0.3474



18.9148, 0.5438, 0.3478



22.2100, 0.4311, 0.4212



7.2194, 0.3282, 0.3318



6.4783, 0.6274, 0.3401



0.1747, 0.5821, 0.3760

Inverse Universe

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



25.1222, 0.2348, 0.3067



42.4583, 0.2246, 0.3010



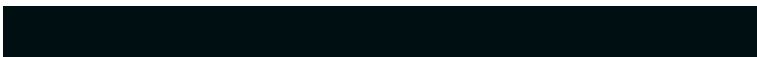
12.8520, 0.2131, 0.2091



7.8624, 0.2988, 0.3262



17.3721, 0.2141, 0.2906



0.4038, 0.2183, 0.3058

Previews

White Background



This preview shows how the Yxy color 12.9681, 0.4852, 0.3474 looks on a white background.

Color Contrast Check

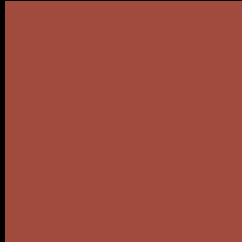
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.9681, 0.4852, 0.3474 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 12.9681, 0.4852, 0.3474

Background



This preview shows how black text looks on a background with the Yxy color 12.9681, 0.4852, 0.3474.



This preview shows how white text looks on a background with the Yxy color 12.9681, 0.4852, 0.3474.

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

12.9681, 0.4852, 0.3474

Protanopia

13.0530, 0.3629, 0.3884

Deuteranopia

13.0761, 0.4100, 0.4052



Tritanopia

12.9965, 0.4620, 0.3218

Trichromacy



Original Color

12.9681, 0.4852, 0.3474

Protanomaly

12.6857, 0.4065, 0.3727

Deuteranomaly

12.7894, 0.4394, 0.3822

Tritanomaly

13.0600, 0.4702, 0.3310

Monochromacy



Original Color

12.9681, 0.4852, 0.3474

Achromatopsia

12.4772, 0.3127, 0.3290

Achromatomaly

12.1218, 0.3720, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9681, 0.4852, 0.3474 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(161, 75, 63)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 75, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 75, 63) }
```

Border

The CSS property to change the border of an element to Yxy 12.9681, 0.4852, 0.3474 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(161, 75, 63) }
```

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

```
.border{ border-color:rgb(161, 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(161, 75, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 75, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 75, 63);  
box-shadow:4px 4px 4px 4px rgb(161, 75,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9681, 0.4852, 0.3474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 75, 63) }
```

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

```
.background{ background-color: rgb(161, 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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