

Converting Colors

$Y_{xy}(14.2304, 0.4881, 0.3448)$

Have a look what the booklet for
Yxy(14.2304, 0.4881, 0.3448)
contains.

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Color

Yxy(14.2471, 0.4895, 0.3450)

Conversions

Conversions Part 1

Format	Color
Hex	AA4D42
RGB	170, 77, 66
RGB Percent	67%, 30%, 26%
CMY	0.3333, 0.6980, 0.7413
CMYK	0.00, 0.55, 0.61, 0.33
HSL	6°, 44%, 46%
HSV	6°, 61%, 67%
XYZ	20.2144, 14.2471, 6.8345
YIQ	103.5530, 58.9590, 16.2950

Conversions

Conversions Part 2

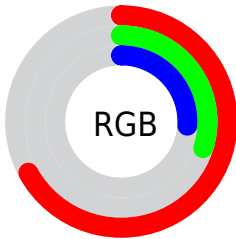
Format	Color
RYB	170, 78, 66
Decimal	11160898
CIELab	44.59, 37.31, 24.97
CIElCh	45, 44.897, 33.796
Yxy	14.2471, 0.4895, 0.3450
Android (android.graphics.Color)	4289350978 (0xFFAA4D42)
YUV	103.5530, -18.5136, 58.2740
Hunter-Lab	37.7453, 29.5406, 15.6862

Details

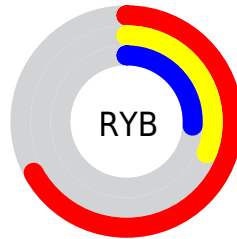
The Yxy color **14.2471, 0.4895, 0.3450** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **28.8446, 0.2350, 0.3096**, and the grayscale version is **13.7564, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5734, 0.4458, 0.3465**, and **4.3114, 0.5685, 0.3342** is the 20% darker color. If you saturate the color by 10%, you get **12.1923, 0.5338, 0.3454**, and if you desaturate by 10%, it is **16.8599, 0.4476, 0.3433**.

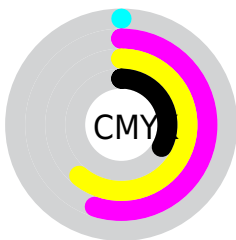
Distribution



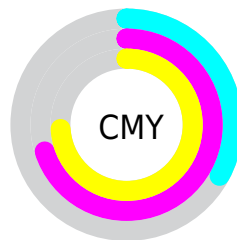
- Red (67%)
- Green (30%)
- Blue (26%)



- Red (67%)
- Yellow (31%)
- Blue (26%)



- Cyan (0%)
- Magenta (55%)
- Yellow (61%)
- Black (33%)





- Cyan (33%)
- Magenta (70%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.2471, 0.4895, 0.3450 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 14.2471, 0.4895, 0.3450 by changing the saturation by 10% instead.


 14.2471, 0.4895,
0.3450


 14.2471, 0.4895,
0.3450


218.7627, 0.3839,
0.3415


 8.2927, 0.5224,
0.3422


 33.5268, 0.4464,
0.3458


 4.2828, 0.5683,
0.3348


 47.6210, 0.4317,
0.3454


 1.8330, 0.6660,
0.3318

 65.1972, 0.4198,
0.3448

 0.5076, 0.7500,
0.2500

 86.6398, 0.4100,
0.3441

 0.0000, 1.0000,
0.0000

 112.3333, 0.4019,
0.3434

 0.0000, 0.0000,
0.0000

 142.6620, 0.3950,

0.3428

178.0103, 0.3890,
0.3421

■ 14.2471, 0.4895,
0.3450

■ 14.2471, 0.4895,
0.3450

■ 12.1923, 0.5338,
0.3454

■ 16.8599, 0.4476,
0.3433

■ 10.6525, 0.5760,
0.3439

■ 20.0649, 0.4105,
0.3407

■ 9.5824, 0.6099,
0.3405

■ 23.8962, 0.3792,
0.3378

■ 8.9798, 0.6308,
0.3373

■ 28.3847, 0.3532,
0.3349

■ 33.5593, 0.3319,
0.3320

■ 39.4472, 0.3146,
0.3293

■ 46.0740, 0.3004,
0.3268

■ 53.4641, 0.2888,
0.3246

■ 61.6408, 0.2792,
0.3226

Harmonies

Analogous

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



14.2471, 0.4333, 0.2835



14.2471, 0.4895, 0.3450



14.2471, 0.4859, 0.4105

Triad

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



14.2471, 0.4895, 0.3450



14.2471, 0.2669, 0.4642



14.2471, 0.1906, 0.1938

Complementary

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



14.2471, 0.4895, 0.3450



28.8446, 0.2350, 0.3096

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.



14.2471, 0.1614, 0.2152



14.2471, 0.4895, 0.3450



14.2471, 0.1983, 0.3670

Square

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



14.2471, 0.4895, 0.3450



14.2471, 0.3529, 0.5019



14.2471, 0.1631, 0.2725



14.2471, 0.2514, 0.2011

Rectangle

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



14.2471, 0.4895, 0.3450



14.2471, 0.4547, 0.4527



14.2471, 0.1631, 0.2725



14.2471, 0.1774, 0.1975

Sweetspot

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



14.2479, 0.4895, 0.3450



54.0620, 0.3466, 0.3340



14.9634, 0.3336, 0.2010



11.4894, 0.3531, 0.3348



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



14.2479, 0.4895, 0.3450



21.1496, 0.5475, 0.3452



24.4794, 0.4341, 0.4195



7.6657, 0.3283, 0.3315



6.6480, 0.6297, 0.3382



0.1999, 0.5909, 0.3690

Inverse Universe

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



28.8446, 0.2350, 0.3096



49.7296, 0.2254, 0.3048



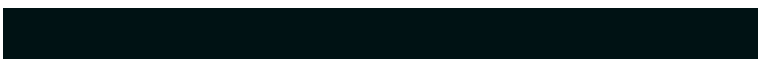
14.6972, 0.2129, 0.2112



8.3941, 0.2987, 0.3265



18.6953, 0.2155, 0.2959



0.4923, 0.2188, 0.3078

Previews

White Background



This preview shows how the Yxy color 14.2471, 0.4895, 0.3450 looks on a white background.

Color Contrast Check

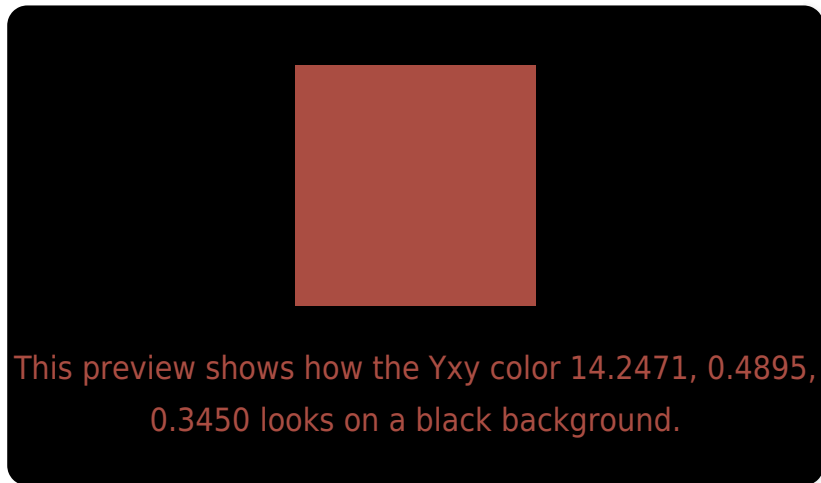
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.2471, 0.4895, 0.3450

Background



This preview shows how black text looks on a background with the Yxy color 14.2471, 0.4895, 0.3450.



This preview shows how white text looks on a background with the Yxy color 14.2471, 0.4895, 0.3450.

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

14.2471, 0.4895, 0.3450

Protanopia

14.4355, 0.3622, 0.3882

Deuteranopia

14.3223, 0.4112, 0.4040



Tritanopia

14.2693, 0.4688, 0.3223

Trichromacy



Original Color

14.2471, 0.4895, 0.3450

Protanomaly

13.7472, 0.4071, 0.3692

Deuteranomaly

13.9425, 0.4420, 0.3798

Tritanomaly

14.3348, 0.4767, 0.3309

Monochromacy



Original Color

14.2471, 0.4895, 0.3450

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.3328, 0.3729, 0.3371

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.2471, 0.4895, 0.3450 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(170, 77, 66)` looks like.

```
.text, #text, p{  
    color:rgb(170, 77, 66)  
}
```

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(170, 77, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 77, 66) }
```

Border

The CSS property to change the border of an element to Yxy 14.2471, 0.4895, 0.3450 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(170, 77, 66) }
```

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

```
.border{ border-color:rgb(170, 77, 66) }
```

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

Here you see how a box with a 4 pixel rgb(170, 77, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 77, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 77, 66);  
box-shadow:4px 4px 4px 4px rgb(170, 77,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 14.2471, 0.4895, 0.3450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 77, 66) }
```

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

```
.background{ background-color: rgb(170, 77,  
66) }
```

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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