

Converting Colors

$Y_{xy}(13.5369, 0.4850, 0.3413)$

Have a look what the booklet for
Yxy(13.5369, 0.4850, 0.3413)
contains.

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Color

Yxy(13.5444, 0.4849, 0.3411)

Conversions

Conversions Part 1

Format	Color
Hex	A64B43
RGB	166, 75, 67
RGB Percent	65%, 29%, 26%
CMY	0.3490, 0.7058, 0.7373
CMYK	0.00, 0.55, 0.60, 0.35
HSL	5°, 42%, 46%
HSV	5°, 60%, 65%
XYZ	19.2544, 13.5444, 6.9092
YIQ	101.2970, 56.8040, 16.8040

Conversions

Conversions Part 2

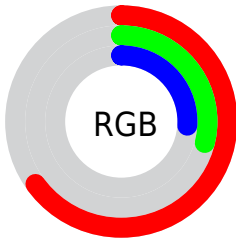
Format	Color
RYB	166, 76, 67
Decimal	10898243
CIELab	43.57, 36.88, 22.94
CIElCh	44, 43.428, 31.884
Yxy	13.5444, 0.4849, 0.3411
Android (android.graphics.Color)	4289088323 (0xFFA64B43)
YUV	101.2970, -16.9084, 56.7445
Hunter-Lab	36.8027, 28.9827, 14.6310

Details

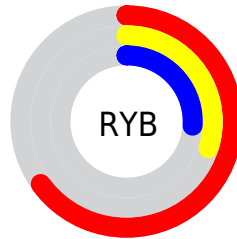
The Yxy color **13.5444, 0.4849, 0.3411** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **28.3946, 0.2374, 0.3146**, and the grayscale version is **13.1290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1671, 0.4426, 0.3422**, and **3.9704, 0.5646, 0.3297** is the 20% darker color. If you saturate the color by 10%, you get **11.5461, 0.5299, 0.3415**, and if you desaturate by 10%, it is **16.0975, 0.4429, 0.3397**.

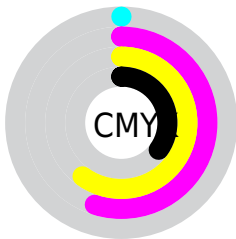
Distribution



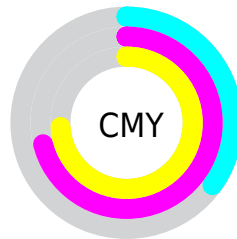
- Red (65%)
- Green (29%)
- Blue (26%)



- Red (65%)
- Yellow (30%)
- Blue (26%)



- Cyan (0%)
- Magenta (55%)
- Yellow (60%)
- Black (35%)



- Cyan (35%)
- Magenta (71%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.5444, 0.4849, 0.3411 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 13.5444, 0.4849, 0.3411 by changing the saturation by 10% instead.


 13.5444, 0.4849,
0.3411


 13.5444, 0.4849,
0.3411


214.3778, 0.3812,
0.3394


 7.8045, 0.5179,
0.3380


 32.2784, 0.4422,
0.3425


 3.9701, 0.5646,
0.3302

 46.0413, 0.4277,
0.3423

 1.6568, 0.6665,
0.3272

 63.2473, 0.4161,
0.3419

 0.3955, 0.7741,
0.2259

 84.2808, 0.4066,
0.3414

 0.0000, 1.0000,
0.0000

 109.5262, 0.3986,
0.3409

 0.0000, 0.0000,
0.0000

139.3679, 0.3919,

0.3404

174.1903, 0.3861,
0.3399

■ 13.5444, 0.4849,
0.3411

■ 13.5444, 0.4849,
0.3411

■ 11.5461, 0.5299,
0.3415

■ 16.0975, 0.4429,
0.3397

■ 10.0595, 0.5732,
0.3406

■ 19.2402, 0.4061,
0.3377

■ 9.0382, 0.6086,
0.3380

■ 23.0069, 0.3752,
0.3354

■ 8.4215, 0.6326,
0.3354

■ 27.4288, 0.3497,
0.3331

■ 8.4056, 0.6333,
0.3353

■ 32.5352, 0.3290,
0.3310

■ 38.3531, 0.3122,
0.3289

■ 44.9087, 0.2985,
0.3271

■ 52.2263, 0.2873,
0.3254

■ 60.3295, 0.2781,
0.3239

Harmonies

Analogous

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



13.5444, 0.4262, 0.2807



13.5444, 0.4849, 0.3411



13.5444, 0.4854, 0.4057

Triad

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



13.5444, 0.4849, 0.3411



13.5444, 0.2730, 0.4663



13.5444, 0.1895, 0.1960

Complementary

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



13.5444, 0.4849, 0.3411



28.3946, 0.2374, 0.3146

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.



13.5444, 0.1625, 0.2194



13.5444, 0.4849, 0.3411



13.5444, 0.2035, 0.3731

Square

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



13.5444, 0.4849, 0.3411



13.5444, 0.3581, 0.4989



13.5444, 0.1663, 0.2785



13.5444, 0.2476, 0.2015

Rectangle

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



13.5444, 0.4849, 0.3411



13.5444, 0.4566, 0.4476



13.5444, 0.1663, 0.2785



13.5444, 0.1771, 0.2003

Sweetspot

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



13.5451, 0.4849, 0.3411



50.9211, 0.3468, 0.3328



14.6375, 0.3282, 0.2000



10.8511, 0.3533, 0.3335



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



13.5451, 0.4849, 0.3411



19.8542, 0.5464, 0.3414



22.7016, 0.4336, 0.4130



7.6363, 0.3284, 0.3309



6.5488, 0.6324, 0.3360



0.1888, 0.6013, 0.3608

Inverse Universe

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



28.3946, 0.2374, 0.3146



49.2222, 0.2275, 0.3109



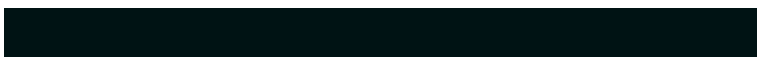
15.0758, 0.2169, 0.2216



8.4266, 0.2987, 0.3271



19.7239, 0.2178, 0.3039



0.5092, 0.2202, 0.3128

Previews

White Background



This preview shows how the Yxy color 13.5444, 0.4849, 0.3411 looks on a white background.

Color Contrast Check

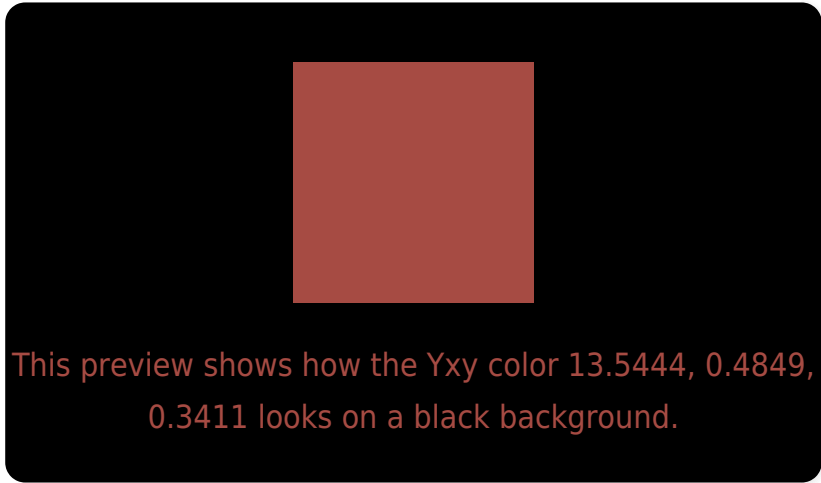
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5444, 0.4849, 0.3411

Background



This preview shows how black text looks on a background with the Yxy color 13.5444, 0.4849, 0.3411.



This preview shows how white text looks on a background with the Yxy color 13.5444, 0.4849, 0.3411.

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

13.5444, 0.4849, 0.3411

Protanopia

13.6445, 0.3579, 0.3810

Deuteranopia

13.7182, 0.4071, 0.4000



Tritanopia

13.5306, 0.4688, 0.3221

Trichromacy



Original Color

13.5444, 0.4849, 0.3411

Protanomaly

13.1620, 0.4025, 0.3642

Deuteranomaly

13.3452, 0.4383, 0.3757

Tritanomaly

13.6075, 0.4751, 0.3295

Monochromacy



Original Color

13.5444, 0.4849, 0.3411

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.7355, 0.3708, 0.3352

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.5444, 0.4849, 0.3411 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(166, 75, 67)` looks like.

```
.text, #text, p{  
  color:rgb(166, 75, 67)  
}
```

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(166, 75, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 75, 67) }
```

Border

The CSS property to change the border of an element to Yxy 13.5444, 0.4849, 0.3411 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(166, 75, 67) }
```

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

```
.border{ border-color:rgb(166, 75, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 75, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 75, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 75, 67);  
box-shadow:4px 4px 4px 4px rgb(166, 75,  
67) }
```


Background

The CSS property to change the background color of an element to Yxy 13.5444, 0.4849, 0.3411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 75, 67) }
```

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

```
.background{ background-color: rgb(166, 75,  
67) }
```

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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