

Converting Colors

$Y_{xy}(13.1619, 0.4741, 0.3212)$

Have a look what the booklet for
Yxy(13.1619, 0.4741, 0.3212)
contains.

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Color

Yxy(13.2438, 0.4743, 0.3222)

Conversions

Conversions Part 1

Format	Color
Hex	A7474C
RGB	167, 71, 76
RGB Percent	65%, 28%, 30%
CMY	0.3451, 0.7216, 0.7020
CMYK	0.00, 0.57, 0.54, 0.35
HSL	357°, 40%, 47%
HSV	357°, 57%, 65%
XYZ	19.4958, 13.2438, 8.3647
YIQ	100.2740, 55.6110, 21.9070

Conversions

Conversions Part 2

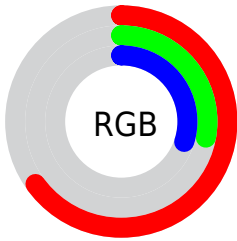
Format	Color
RYB	167, 71, 76
Decimal	10962764
CIELab	43.13, 40.01, 16.92
CIELCh	43, 43.443, 22.928
Yxy	13.2438, 0.4743, 0.3222
Android (android.graphics.Color)	4289152844 (0xFFA7474C)
YUV	100.2740, -11.9671, 58.5187
Hunter-Lab	36.3920, 31.9391, 11.8466

Details

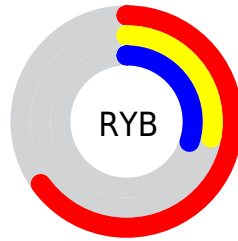
The Yxy color **13.2438, 0.4743, 0.3222** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **31.5904, 0.2451, 0.3375**, and the grayscale version is **12.8380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8153, 0.4332, 0.3270**, and **3.8202, 0.5534, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **11.2106, 0.5197, 0.3221**, and if you desaturate by 10%, it is **15.9163, 0.4328, 0.3230**.

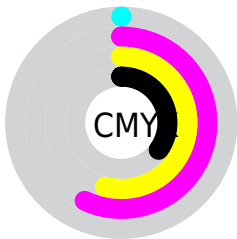
Distribution



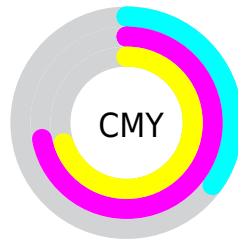
- Red (65%)
- Green (28%)
- Blue (30%)



- Red (65%)
- Yellow (28%)
- Blue (30%)



- Cyan (0%)
- Magenta (57%)
- Yellow (54%)
- Black (35%)





- Cyan (35%)
- Magenta (72%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.2438, 0.4743, 0.3222 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 13.2438, 0.4743, 0.3222 by changing the saturation by 10% instead.


 13.2438, 0.4743,
0.3222


 13.2438, 0.4743,
0.3222


212.4743, 0.3764,
0.3304


 7.5966, 0.5063,
0.3169


 31.7411, 0.4336,
0.3271


 3.8380, 0.5525,
0.3070

 45.3600, 0.4199,
0.3282


 1.5833, 0.6351,
0.2914

 62.4050, 0.4090,
0.3290

 0.3463, 0.8013,
0.1987

 83.2604, 0.4001,
0.3295

 0.0000, 1.0000,
0.0000

 108.3106, 0.3927,
0.3299

 0.0000, 0.0000,
0.0000

137.9401, 0.3864,

0.3301

172.5332, 0.3810,
0.3303

■ 13.2438, 0.4743,
0.3222

■ 13.2438, 0.4743,
0.3222

■ 11.2106, 0.5197,
0.3221

■ 15.9163, 0.4328,
0.3230

■ 9.7615, 0.5648,
0.3228

■ 19.2733, 0.3972,
0.3241

■ 8.8354, 0.6031,
0.3245

■ 23.3582, 0.3678,
0.3255

■ 8.3360, 0.6290,
0.3266

■ 28.2103, 0.3439,
0.3268

■ 8.2358, 0.6339,
0.3266

■ 33.8659, 0.3246,
0.3281

■ 40.3593, 0.3091,
0.3293

■ 47.7226, 0.2967,
0.3304

■ 55.9863, 0.2866,
0.3314

■ 65.1793, 0.2783,
0.3323

Harmonies

Analogous

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



13.2438, 0.4010, 0.2640



13.2438, 0.4743, 0.3222



13.2438, 0.4926, 0.3865

Triad

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



13.2438, 0.4743, 0.3222



13.2438, 0.2976, 0.4855



13.2438, 0.1774, 0.1989

Complementary

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



13.2438, 0.4743, 0.3222



31.5904, 0.2451, 0.3375

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.



13.2438, 0.1594, 0.2322



13.2438, 0.4743, 0.3222



13.2438, 0.2206, 0.4046

Square

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



13.2438, 0.4743, 0.3222



13.2438, 0.3833, 0.4956



13.2438, 0.1728, 0.3034



13.2438, 0.2263, 0.1964

Rectangle

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



13.2438, 0.4743, 0.3222



13.2438, 0.4729, 0.4297



13.2438, 0.1728, 0.3034



13.2438, 0.1680, 0.2062

Sweetspot

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



13.2445, 0.4743, 0.3222



50.6865, 0.3435, 0.3268



14.8332, 0.3103, 0.1930



10.9451, 0.3476, 0.3266



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.



13.2445, 0.4743, 0.3222



19.2583, 0.5324, 0.3222



20.3936, 0.4409, 0.3920



7.5484, 0.3278, 0.3279



6.3034, 0.6330, 0.3260



0.1553, 0.6023, 0.3091

Inverse Universe

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



13.2445, 0.4743, 0.3222



19.2583, 0.5324, 0.3222



18.9000, 0.2256, 0.2514



7.5484, 0.3278, 0.3279



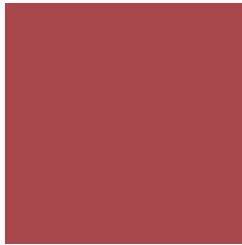
6.3034, 0.6330, 0.3260



0.1553, 0.6023, 0.3091

Previews

White Background



This preview shows how the Yxy color 13.2438, 0.4743, 0.3222 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 13.2438, 0.4743, 0.3222 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

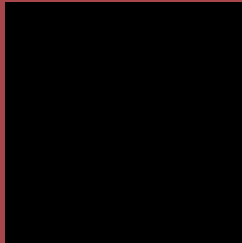
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.2438, 0.4743, 0.3222

Background



This preview shows how black text looks on a background with the Yxy color 13.2438, 0.4743, 0.3222.



This preview shows how white text looks on a background with the Yxy color 13.2438, 0.4743, 0.3222.

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

13.2438, 0.4743, 0.3222

Protanopia

13.3839, 0.3352, 0.3532

Deuteranopia

13.3408, 0.3887, 0.3823



Tritanopia

13.2438, 0.4743, 0.3222

Trichromacy



Original Color

13.2438, 0.4743, 0.3222

Protanomaly

12.8212, 0.3828, 0.3391

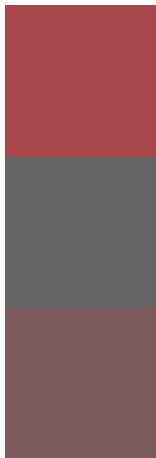
Deuteranomaly

12.8638, 0.4212, 0.3571

Tritanomaly

13.2438, 0.4743, 0.3222

Monochromacy



Original Color

13.2438, 0.4743, 0.3222

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.1852, 0.3675, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.2438, 0.4743, 0.3222 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(167, 71, 76)` looks like.

```
.text, #text, p{  
    color:rgb(167, 71, 76)  
}
```

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(167, 71, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 71, 76) }
```

Border

The CSS property to change the border of an element to Yxy 13.2438, 0.4743, 0.3222 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(167, 71, 76) }
```

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

```
.border{ border-color:rgb(167, 71, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 71, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 71, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 71, 76);  
box-shadow:4px 4px 4px 4px rgb(167, 71,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 13.2438, 0.4743, 0.3222 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 71, 76) }
```

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

```
.background{ background-color: rgb(167, 71,  
76) }
```

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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