

Converting Colors

$Y_{xy}(13.3726, 0.4824, 0.3626)$

Have a look what the booklet for
Yxy(13.3726, 0.4824, 0.3626)
contains.

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Color

Yxy(13.3222, 0.4819, 0.3615)

Conversions

Conversions Part 1

Format	Color
Hex	9E503B
RGB	158, 80, 59
RGB Percent	62%, 31%, 23%
CMY	0.3804, 0.6863, 0.7687
CMYK	0.00, 0.49, 0.63, 0.38
HSL	13°, 46%, 43%
HSV	13°, 63%, 62%
XYZ	17.7592, 13.3222, 5.7711
YIQ	100.9280, 53.2290, 10.0050

Conversions

Conversions Part 2

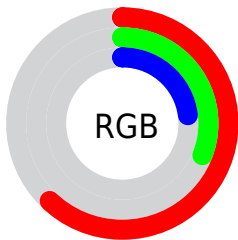
Format	Color
R _Y B	158, 86, 59
Decimal	10375227
CIE Lab	43.24, 30.48, 27.02
CIE LCh	43, 40.732, 41.555
Yxy	13.3222, 0.4819, 0.3615
Android (android.graphics.Color)	4288565307 (0xFF9E503B)
YUV	100.9280, -20.6705, 50.0521
Hunter-Lab	36.4996, 22.9767, 16.1751

Details

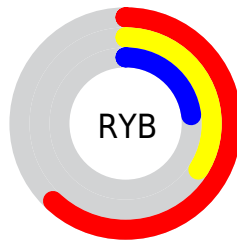
The Yxy color **13.3222, 0.4819, 0.3615** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **21.2868, 0.2293, 0.2885**, and the grayscale version is **13.0385, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.8931, 0.4393, 0.3584**, and **3.8952, 0.5584, 0.3572** is the 20% darker color. If you saturate the color by 10%, you get **11.5261, 0.5221, 0.3629**, and if you desaturate by 10%, it is **15.5071, 0.4438, 0.3578**.

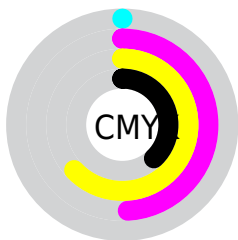
Distribution



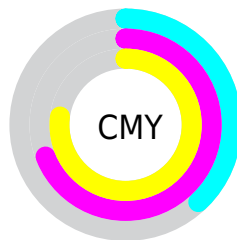
- Red (62%)
- Green (31%)
- Blue (23%)



- Red (62%)
- Yellow (34%)
- Blue (23%)



- Cyan (0%)
- Magenta (49%)
- Yellow (63%)
- Black (38%)





- Cyan (38%)
- Magenta (69%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.3222, 0.4819, 0.3615 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 13.3222, 0.4819, 0.3615 by changing the saturation by 10% instead.


 13.3222, 0.4819,
0.3615


 13.3222, 0.4819,
0.3615


212.9724, 0.3802,
0.3481


 7.6508, 0.5138,
0.3615


 31.8814, 0.4402,
0.3584


 3.8723, 0.5584,
0.3574

 45.5380, 0.4260,
0.3565

 1.6024, 0.6454,
0.3546

 62.6252, 0.4145,
0.3548

 0.3592, 0.7555,
0.2445

 83.5272, 0.4052,
0.3532

 0.0000, 1.0000,
0.0000

 108.6286, 0.3974,
0.3517

 0.0000, 0.0000,
0.0000

 138.3136, 0.3907,

0.3504

172.9668, 0.3851,
0.3492

■ 13.3222, 0.4819,
0.3615

■ 13.3222, 0.4819,
0.3615

■ 11.5261, 0.5221,
0.3629

■ 15.5071, 0.4438,
0.3578

■ 10.0932, 0.5608,
0.3611

■ 18.0999, 0.4096,
0.3528

■ 8.9984, 0.5937,
0.3557

■ 21.1211, 0.3801,
0.3471

■ 8.3873, 0.6136,
0.3510

■ 24.5891, 0.3551,
0.3413

■ 28.5211, 0.3342,
0.3357

■ 32.9336, 0.3168,
0.3304

■ 37.8422, 0.3024,
0.3254

■ 43.2617, 0.2903,
0.3209

■ 49.2065, 0.2802,
0.3168

Harmonies

Analogous

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



13.3222, 0.4429, 0.3014



13.3222, 0.4819, 0.3615



13.3222, 0.4662, 0.4231

Triad

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



13.3222, 0.4819, 0.3615



13.3222, 0.2518, 0.4334



13.3222, 0.2100, 0.2011

Complementary

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



13.3222, 0.4819, 0.3615



21.2868, 0.2293, 0.2885

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.



13.3222, 0.1744, 0.2144



13.3222, 0.4819, 0.3615



13.3222, 0.1940, 0.3399

Square

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



13.3222, 0.4819, 0.3615



13.3222, 0.3306, 0.4865



13.3222, 0.1686, 0.2597



13.3222, 0.2753, 0.2142

Rectangle

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



13.3222, 0.4819, 0.3615



13.3222, 0.4313, 0.4598



13.3222, 0.1686, 0.2597



13.3222, 0.1948, 0.2024

Sweetspot

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



13.3229, 0.4819, 0.3615



46.9096, 0.3478, 0.3394



12.2370, 0.3499, 0.2113



10.1557, 0.3537, 0.3410



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.



13.3229, 0.4819, 0.3615



19.8663, 0.5372, 0.3626



23.1020, 0.4261, 0.4346



6.8630, 0.3279, 0.3338



6.7660, 0.6122, 0.3521



0.1746, 0.5478, 0.4032

Inverse Universe

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



21.2868, 0.2293, 0.2885



35.3490, 0.2177, 0.2780



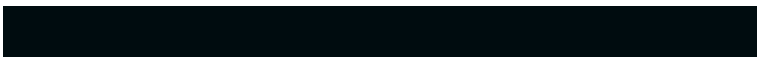
10.4918, 0.2065, 0.1881



7.2703, 0.2988, 0.3241



13.6745, 0.2058, 0.2607



0.2996, 0.2142, 0.2910

Previews

White Background



This preview shows how the Yxy color 13.3222, 0.4819, 0.3615 looks on a white background.

Color Contrast Check

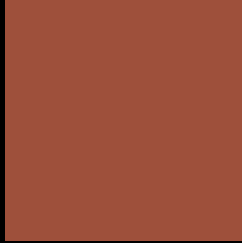
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.3222, 0.4819, 0.3615 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

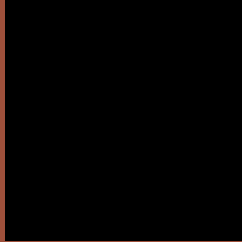
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.3222, 0.4819, 0.3615

Background



This preview shows how black text looks on a background with the Yxy color 13.3222, 0.4819, 0.3615.



This preview shows how white text looks on a background with the Yxy color 13.3222, 0.4819, 0.3615.

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

13.3222, 0.4819, 0.3615

Protanopia

13.5626, 0.3747, 0.4041

Deuteranopia

13.4468, 0.4191, 0.4125



Tritanopia

13.2879, 0.4469, 0.3215

Trichromacy



Original Color

13.3222, 0.4819, 0.3615

Protanomaly

13.2332, 0.4129, 0.3876

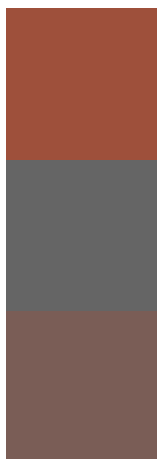
Deuteranomaly

13.1710, 0.4445, 0.3920

Tritanomaly

13.3141, 0.4604, 0.3357

Monochromacy



Original Color

13.3222, 0.4819, 0.3615

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.6382, 0.3703, 0.3436

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.3222, 0.4819, 0.3615 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(158, 80, 59)` looks like.

```
.text, #text, p{  
    color:rgb(158, 80, 59)  
}
```

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(158, 80, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 80, 59) }
```

Border

The CSS property to change the border of an element to Yxy 13.3222, 0.4819, 0.3615 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(158, 80, 59) }
```

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

```
.border{ border-color:rgb(158, 80, 59) }
```

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

Here you see how a box with a 4 pixel rgb(158, 80, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 80, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 80, 59);  
box-shadow:4px 4px 4px 4px rgb(158, 80,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 13.3222, 0.4819, 0.3615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 80, 59) }
```

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

```
.background{ background-color: rgb(158, 80,  
59) }
```

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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