

Converting Colors

$Y_{xy}(13.9926, 0.4907, 0.3616)$

Have a look what the booklet for
Yxy(13.9926, 0.4907, 0.3616)
contains.

Yxy(13.9353, 0.4911, 0.3613)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(13.9353, 0.4911, 0.3613)

Conversions

Conversions Part 1

Format	Color
Hex	A4503A
RGB	164, 80, 58
RGB Percent	64%, 31%, 23%
CMY	0.3569, 0.6862, 0.7726
CMYK	0.00, 0.51, 0.65, 0.36
HSL	12°, 48%, 44%
HSV	12°, 65%, 64%
XYZ	18.9417, 13.9353, 5.6929
YIQ	102.6080, 57.1260, 10.9660

Conversions

Conversions Part 2

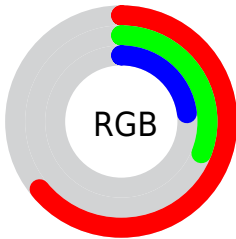
Format	Color
RYB	164, 86, 58
Decimal	10768442
CIELab	44.14, 32.83, 28.90
CIELCh	44, 43.740, 41.361
Yxy	13.9353, 0.4911, 0.3613
Android (android.graphics.Color)	4288958522 (0xFFA4503A)
YUV	102.6080, -21.9917, 53.8408
Hunter-Lab	37.3300, 25.2454, 17.0891

Details

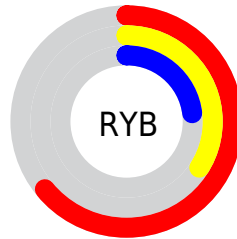
The Yxy color **13.9353, 0.4911, 0.3613** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **22.9194, 0.2275, 0.2878**, and the grayscale version is **13.5029, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9612, 0.4476, 0.3585**, and **4.1403, 0.5684, 0.3544** is the 20% darker color. If you saturate the color by 10%, you get **12.0725, 0.5316, 0.3620**, and if you desaturate by 10%, it is **16.2208, 0.4520, 0.3581**.

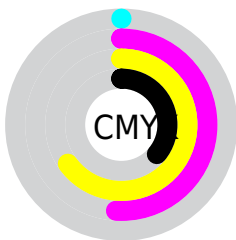
Distribution



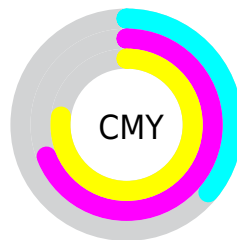
- Red (64%)
- Green (31%)
- Blue (23%)



- Red (64%)
- Yellow (34%)
- Blue (23%)



- Cyan (0%)
- Magenta (51%)
- Yellow (65%)
- Black (36%)





- Cyan (36%)
- Magenta (69%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 13.9353, 0.4911, 0.3613 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 13.9353, 0.4911, 0.3613 by changing the saturation by 10% instead.


 13.9353, 0.4911,
0.3613


 13.9353, 0.4911,
0.3613

216.8280, 0.3847,
0.3489


 8.0757, 0.5237,
0.3605


 32.9742, 0.4479,
0.3589


 4.1434, 0.5686,
0.3552

 46.9222, 0.4330,
0.3572


 1.7541, 0.6514,
0.3486

 64.3352, 0.4210,
0.3555

 0.4583, 0.7397,
0.2603

 85.5975, 0.4112,
0.3540

 0.0000, 1.0000,
0.0000

 111.0936, 0.4029,
0.3525

 0.0000, 0.0000,
0.0000

 141.2077, 0.3959,

0.3512

176.3244, 0.3899,
0.3500

■ 13.9353, 0.4911,
0.3613

■ 13.9353, 0.4911,
0.3613

■ 12.0725, 0.5316,
0.3620

■ 16.2208, 0.4520,
0.3581

■ 10.6035, 0.5697,
0.3594

■ 18.9509, 0.4166,
0.3534

■ 9.4993, 0.6008,
0.3533

■ 22.1486, 0.3859,
0.3479

■ 9.0399, 0.6149,
0.3500

■ 25.8346, 0.3599,
0.3422

■ 30.0285, 0.3381,
0.3366

■ 34.7487, 0.3200,
0.3313

■ 40.0127, 0.3050,
0.3264

■ 45.8371, 0.2925,
0.3219

■ 52.2378, 0.2820,
0.3178

Harmonies

Analogous

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



13.9353, 0.4499, 0.2991



13.9353, 0.4911, 0.3613



13.9353, 0.4738, 0.4259

Triad

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



13.9353, 0.4911, 0.3613



13.9353, 0.2484, 0.4408



13.9353, 0.2046, 0.1952

Complementary

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



13.9353, 0.4911, 0.3613



22.9194, 0.2275, 0.2878

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.



13.9353, 0.1680, 0.2087



13.9353, 0.4911, 0.3613



13.9353, 0.1882, 0.3406

Square

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



13.9353, 0.4911, 0.3613



13.9353, 0.3310, 0.4965



13.9353, 0.1619, 0.2558



13.9353, 0.2725, 0.2088

Rectangle

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



13.9353, 0.4911, 0.3613



13.9353, 0.4369, 0.4652



13.9353, 0.1619, 0.2558



13.9353, 0.1890, 0.1964

Sweetspot

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



13.9360, 0.4911, 0.3613



50.8003, 0.3479, 0.3392



12.8943, 0.3516, 0.2083



10.6596, 0.3539, 0.3408



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



13.9360, 0.4911, 0.3613



20.5408, 0.5506, 0.3612



24.7531, 0.4302, 0.4373



7.3133, 0.3280, 0.3337



6.9897, 0.6134, 0.3512



0.2076, 0.5523, 0.3997

Inverse Universe

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



22.9194, 0.2275, 0.2878



37.9128, 0.2158, 0.2768



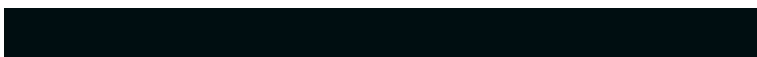
10.8567, 0.2030, 0.1824



7.7603, 0.2988, 0.3242



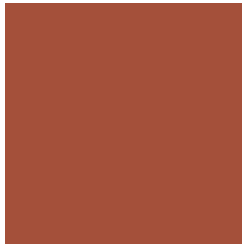
14.3533, 0.2062, 0.2622



0.3611, 0.2136, 0.2890

Previews

White Background



This preview shows how the Yxy color 13.9353, 0.4911, 0.3613 looks on a white background.

Color Contrast Check

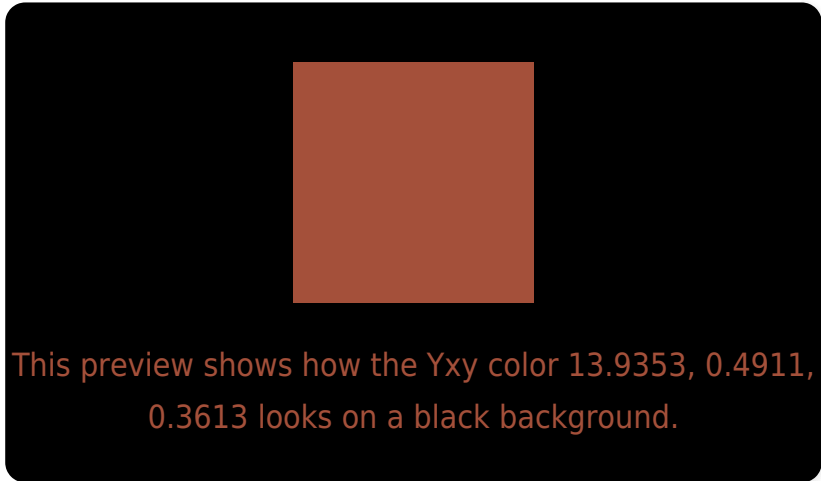
Large Text (above 18pt) WCAG AA ✓ Pass

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

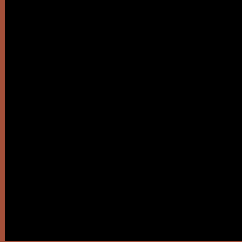
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.9353, 0.4911, 0.3613

Background



This preview shows how black text looks on a background with the Yxy color 13.9353, 0.4911, 0.3613.



This preview shows how white text looks on a background with the Yxy color 13.9353, 0.4911, 0.3613.

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

13.9353, 0.4911, 0.3613

Protanopia

14.0858, 0.3777, 0.4091

Deuteranopia

14.0478, 0.4227, 0.4159



Tritanopia

13.9163, 0.4554, 0.3218

Trichromacy



Original Color

13.9353, 0.4911, 0.3613

Protanomaly

13.6414, 0.4181, 0.3900

Deuteranomaly

13.8553, 0.4493, 0.3950

Tritanomaly

13.9292, 0.4703, 0.3369

Monochromacy



Original Color

13.9353, 0.4911, 0.3613

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.2325, 0.3724, 0.3453

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.9353, 0.4911, 0.3613 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(164, 80, 58)` looks like.

```
.text, #text, p{  
    color:rgb(164, 80, 58)  
}
```

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(164, 80, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 80, 58) }
```

Border

The CSS property to change the border of an element to Yxy 13.9353, 0.4911, 0.3613 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(164, 80, 58) }
```

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

```
.border{ border-color:rgb(164, 80, 58) }
```

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

Here you see how a box with a 4 pixel rgb(164, 80, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 80, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 80, 58);  
box-shadow:4px 4px 4px 4px rgb(164, 80,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 13.9353, 0.4911, 0.3613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 80, 58) }
```

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

```
.background{ background-color: rgb(164, 80,  
58) }
```

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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