

Converting Colors

$Y_{xy}(13.1785, 0.4215, 0.3903)$

Have a look what the booklet for
Yxy(13.1785, 0.4215, 0.3903)
contains.

Yxy(13.1785, 0.4215, 0.3903)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(13.1785, 0.4215, 0.3903)

Conversions

Conversions Part 1

Format	Color
Hex	835E3E
RGB	131, 94, 62
RGB Percent	51%, 37%, 24%
CMY	0.4863, 0.6314, 0.7568
CMYK	0.00, 0.28, 0.53, 0.49
HSL	28°, 36%, 38%
HSV	28°, 53%, 51%
XYZ	14.2320, 13.1785, 6.3546
YIQ	101.4150, 32.3240, -2.1080

Conversions

Conversions Part 2

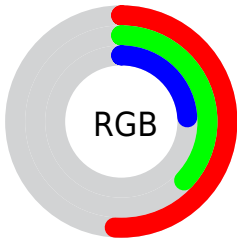
Format	Color
R_{YB}	131, 122, 62
Decimal	8609342
CIE _{Lab}	43.03, 11.06, 24.20
CIE _{LCh}	43, 26.609, 65.428
Yxy	13.1785, 0.4215, 0.3903
Android (android.graphics.Color)	4286799422 (0xFF835E3E)
YUV	101.4150, -19.4316, 25.9460
Hunter-Lab	36.3022, 6.4505, 15.0330

Details

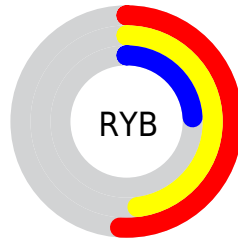
The Yxy color **13.1785, 0.4215, 0.3903** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.5896, 0.2329, 0.2559**, and the grayscale version is **13.1727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5114, 0.3950, 0.3767**, and **3.8198, 0.4727, 0.4112** is the 20% darker color. If you saturate the color by 10%, you get **11.8590, 0.4490, 0.3998**, and if you desaturate by 10%, it is **14.6477, 0.3957, 0.3791**.

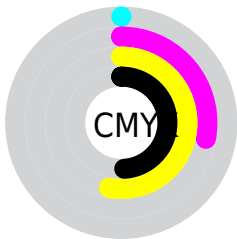
Distribution



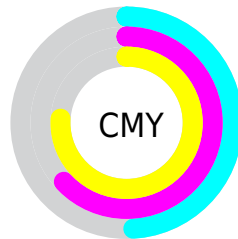
- Red (51%)
- Green (37%)
- Blue (24%)



- Red (51%)
- Yellow (48%)
- Blue (24%)



- Cyan (0%)
- Magenta (28%)
- Yellow (53%)
- Black (49%)





- Cyan (49%)
- Magenta (63%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1785, 0.4215, 0.3903 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 13.1785, 0.4215, 0.3903 by changing the saturation by 10% instead.


 13.1785, 0.4215,
0.3903


 13.1785, 0.4215,
0.3903


212.0585, 0.3561,
0.3559


 7.5516, 0.4424,
0.3994


 31.6241, 0.3945,
0.3771


 3.8094, 0.4722,
0.4104

 45.2116, 0.3854,
0.3723

 1.5675, 0.5507,
0.4493

 62.2213, 0.3781,
0.3684

 0.3355, 0.6371,
0.3629

 83.0378, 0.3721,
0.3651

 0.0000, 0.0000,
0.0000

 108.0453, 0.3671,
0.3622

 137.6284, 0.3628,

0.3598

172.1713, 0.3592,
0.3577

■ 13.1785, 0.4215,
0.3903

■ 13.1785, 0.4215,
0.3903

■ 11.8590, 0.4490,
0.3998

■ 14.6477, 0.3957,
0.3791

■ 10.6818, 0.4772,
0.4065

■ 16.2699, 0.3722,
0.3671

■ 9.6414, 0.5046,
0.4092

■ 18.0506, 0.3513,
0.3550

■ 8.7311, 0.5294,
0.4071

■ 19.9944, 0.3328,
0.3431

■ 8.1346, 0.5469,
0.4039

■ 22.1057, 0.3166,
0.3319

■ 24.3889, 0.3026,
0.3213

■ 26.8479, 0.2903,
0.3115

■ 29.4868, 0.2796,
0.3025

■ 32.3091, 0.2703,
0.2942

Harmonies

Analogous

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



13.1785, 0.4218, 0.3473



13.1785, 0.4215, 0.3903



13.1785, 0.3904, 0.4231

Triad

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



13.1785, 0.4215, 0.3903



13.1785, 0.2394, 0.3503



13.1785, 0.2781, 0.2452

Complementary

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



13.1785, 0.4215, 0.3903



11.5896, 0.2329, 0.2559

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.



13.1785, 0.2354, 0.2405



13.1785, 0.4215, 0.3903



13.1785, 0.2146, 0.2950

Square

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



13.1785, 0.4215, 0.3903



13.1785, 0.2845, 0.4040



13.1785, 0.2135, 0.2566



13.1785, 0.3345, 0.2679

Rectangle

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



13.1785, 0.4215, 0.3903



13.1785, 0.3580, 0.4323



13.1785, 0.2135, 0.2566



13.1785, 0.2619, 0.2415

Sweetspot

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



13.1791, 0.4215, 0.3903



34.4805, 0.3394, 0.3475



9.1920, 0.3749, 0.2576



7.8866, 0.3426, 0.3495



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



13.1791, 0.4215, 0.3903



20.8405, 0.4541, 0.4013



20.4924, 0.3893, 0.4459



5.0182, 0.3269, 0.3391



8.0134, 0.5468, 0.4040



0.0421, 0.4830, 0.4547

Inverse Universe

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



11.5896, 0.2329, 0.2559



17.6585, 0.2167, 0.2358



6.4987, 0.2174, 0.1766



4.9274, 0.2992, 0.3187



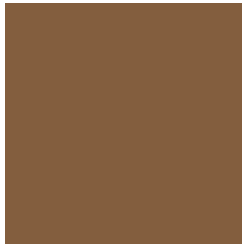
5.9617, 0.1819, 0.1747



0.0353, 0.2021, 0.2474

Previews

White Background



This preview shows how the Yxy color 13.1785, 0.4215, 0.3903 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 13.1785, 0.4215, 0.3903 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

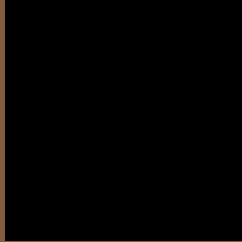
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 13.1785, 0.4215, 0.3903

Background



This preview shows how black text looks on a background with the Yxy color 13.1785, 0.4215, 0.3903.



This preview shows how white text looks on a background with the Yxy color 13.1785, 0.4215, 0.3903.

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

13.1785, 0.4215, 0.3903

Protanopia

13.2639, 0.3780, 0.4089

Deuteranopia

13.1714, 0.4088, 0.4010



Tritanopia

13.2437, 0.3731, 0.3159

Trichromacy



Original Color

13.1785, 0.4215, 0.3903

Protanomaly

13.1454, 0.3931, 0.4018

Deuteranomaly

13.2147, 0.4146, 0.3977

Tritanomaly

13.1088, 0.3925, 0.3427

Monochromacy



Original Color

13.1785, 0.4215, 0.3903

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.8682, 0.3502, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1785, 0.4215, 0.3903 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(131, 94, 62)` looks like.

```
.text, #text, p{  
    color:rgb(131, 94, 62)  
}
```

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(131, 94, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 94, 62) }
```

Border

The CSS property to change the border of an element to Yxy 13.1785, 0.4215, 0.3903 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(131, 94, 62) }
```

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

```
.border{ border-color:rgb(131, 94, 62) }
```

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

Here you see how a box with a 4 pixel rgb(131, 94, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 94, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 94, 62);  
box-shadow:4px 4px 4px 4px rgb(131, 94,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1785, 0.4215, 0.3903 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 94, 62) }
```

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

```
.background{ background-color: rgb(131, 94,  
62) }
```

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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