

Converting Colors

$Y_{xy}(13.2515, 0.4407, 0.3891)$

Have a look what the booklet for
Yxy(13.2515, 0.4407, 0.3891)
contains.

Yxy(13.1909, 0.4416, 0.3887)	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(13.1909, 0.4416, 0.3887)

Conversions

Conversions Part 1

Format	Color
Hex	8A5B3A
RGB	138, 91, 58
RGB Percent	54%, 36%, 23%
CMY	0.4588, 0.6431, 0.7726
CMYK	0.00, 0.34, 0.58, 0.46
HSL	25°, 41%, 38%
HSV	25°, 58%, 54%
XYZ	14.9861, 13.1909, 5.7589
YIQ	101.2910, 38.6050, -0.2990

Conversions

Conversions Part 2

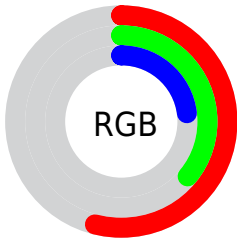
Format	Color
R _{YB}	138, 114, 58
Decimal	9067322
CIE Lab	43.05, 15.59, 26.74
CIE LCh	43, 30.951, 59.746
Yxy	13.1909, 0.4416, 0.3887
Android (android.graphics.Color)	4287257402 (0xFF8A5B3A)
YUV	101.2910, -21.3425, 32.1938
Hunter-Lab	36.3193, 10.0942, 16.0222

Details

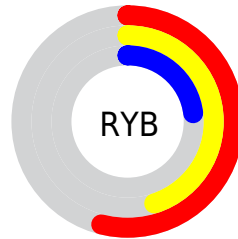
The Yxy color **13.1909, 0.4416, 0.3887** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.8369, 0.2270, 0.2560**, and the grayscale version is **13.1422, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.5597, 0.4100, 0.3764**, and **3.8398, 0.5010, 0.4038** is the 20% darker color. If you saturate the color by 10%, you get **11.7574, 0.4720, 0.3957**, and if you desaturate by 10%, it is **14.8132, 0.4129, 0.3795**.

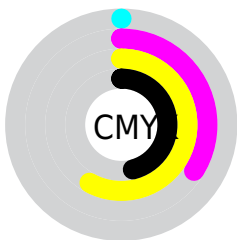
Distribution



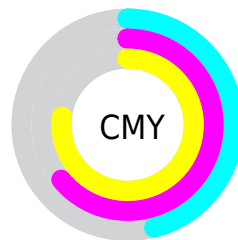
- Red (54%)
- Green (36%)
- Blue (23%)



- Red (54%)
- Yellow (45%)
- Blue (23%)



- Cyan (0%)
- Magenta (34%)
- Yellow (58%)
- Black (46%)





- Cyan (46%)
- Magenta (64%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 13.1909, 0.4416, 0.3887 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 13.1909, 0.4416, 0.3887 by changing the saturation by 10% instead.


 13.1909, 0.4416,
0.3887


 13.1909, 0.4416,
0.3887


212.1375, 0.3642,
0.3566


 7.5601, 0.4660,
0.3961


 31.6463, 0.4098,
0.3770


 3.8148, 0.5003,
0.4035

 45.2398, 0.3990,
0.3725

 1.5705, 0.5748,
0.4252

 62.2562, 0.3903,
0.3688

 0.3376, 0.6751,
0.3249

 83.0801, 0.3832,
0.3656

 0.0000, 0.0000,
0.0000

 108.0958, 0.3773,
0.3628

 137.6876, 0.3722,

0.3605

172.2401, 0.3679,
0.3584

■ 13.1909, 0.4416,
0.3887

■ 13.1909, 0.4416,
0.3887

■ 11.7574, 0.4720,
0.3957

■ 14.8132, 0.4129,
0.3795

■ 10.5028, 0.5026,
0.3992

■ 16.6295, 0.3867,
0.3690

■ 9.4192, 0.5313,
0.3982

■ 18.6474, 0.3633,
0.3581

■ 8.4940, 0.5569,
0.3929

■ 20.8732, 0.3429,
0.3473

■ 8.3229, 0.5622,
0.3918

■ 23.3131, 0.3251,
0.3369

■ 25.9730, 0.3098,
0.3271

■ 28.8585, 0.2966,
0.3180

■ 31.9749, 0.2851,
0.3096

■ 35.3276, 0.2753,
0.3019

Harmonies

Analogous

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



13.1909, 0.4352, 0.3389



13.1909, 0.4416, 0.3887



13.1909, 0.4105, 0.4312

Triad

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



13.1909, 0.4416, 0.3887



13.1909, 0.2361, 0.3665



13.1909, 0.2616, 0.2309

Complementary

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



13.1909, 0.4416, 0.3887



12.8369, 0.2270, 0.2560

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.



13.1909, 0.2175, 0.2292



13.1909, 0.4416, 0.3887



13.1909, 0.2036, 0.2994

Square

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



13.1909, 0.4416, 0.3887



13.1909, 0.2908, 0.4269



13.1909, 0.1977, 0.2514



13.1909, 0.3245, 0.2530

Rectangle

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



13.1909, 0.4416, 0.3887



13.1909, 0.3751, 0.4476



13.1909, 0.1977, 0.2514



13.1909, 0.2444, 0.2278

Sweetspot

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



13.1916, 0.4416, 0.3887



37.0431, 0.3417, 0.3466



9.4699, 0.3766, 0.2443



8.1543, 0.3449, 0.3484



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



13.1916, 0.4416, 0.3887



19.9094, 0.4828, 0.3974



21.6742, 0.4000, 0.4508



5.3654, 0.3271, 0.3381



7.6584, 0.5616, 0.3923



0.0786, 0.4929, 0.4469

Inverse Universe

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



12.8369, 0.2270, 0.2560



19.1728, 0.2106, 0.2352



6.6308, 0.2081, 0.1666



5.3484, 0.2991, 0.3198



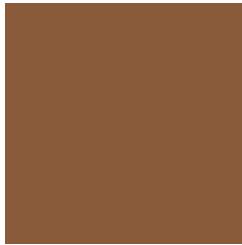
7.1165, 0.1866, 0.1919



0.0762, 0.2052, 0.2587

Previews

White Background



This preview shows how the Yxy color 13.1909, 0.4416, 0.3887 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 13.1909, 0.4416, 0.3887 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 13.1909, 0.4416, 0.3887

Background



This preview shows how black text looks on a background with the Yxy color 13.1909, 0.4416, 0.3887.



This preview shows how white text looks on a background with the Yxy color 13.1909, 0.4416, 0.3887.

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

13.1909, 0.4416, 0.3887

Protanopia

13.2953, 0.3836, 0.4145

Deuteranopia

13.2048, 0.4160, 0.4077



Tritanopia

13.2694, 0.3926, 0.3183

Trichromacy



Original Color

13.1909, 0.4416, 0.3887

Protanomaly

13.1372, 0.4030, 0.4043

Deuteranomaly

13.2257, 0.4260, 0.4014

Tritanomaly

13.1341, 0.4126, 0.3440

Monochromacy



Original Color

13.1909, 0.4416, 0.3887

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.7827, 0.3568, 0.3549

CSS Examples

Text

The CSS property to change the color of the text to Yxy 13.1909, 0.4416, 0.3887 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(138, 91, 58)` looks like.

```
.text, #text, p{  
    color:rgb(138, 91, 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(138, 91, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 91, 58) }
```

Border

The CSS property to change the border of an element to Yxy 13.1909, 0.4416, 0.3887 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(138, 91, 58) }
```

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

```
.border{ border-color:rgb(138, 91, 58) }
```

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

Here you see how a box with a 4 pixel rgb(138, 91, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 91, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 91, 58);  
box-shadow:4px 4px 4px 4px rgb(138, 91,  
58) }
```


Background

The CSS property to change the background color of an element to Yxy 13.1909, 0.4416, 0.3887 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 91, 58) }
```

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

```
.background{ background-color: rgb(138, 91,  
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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