

Converting Colors

$Y_{xy}(12.9619, 0.4094, 0.3442)$

Have a look what the booklet for
Yxy(12.9619, 0.4094, 0.3442)
contains.

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Color

Yxy(12.9619, 0.4094, 0.3442)

Conversions

Conversions Part 1

Format	Color
Hex	8A5850
RGB	138, 88, 80
RGB Percent	54%, 35%, 31%
CMY	0.4589, 0.6549, 0.6863
CMYK	0.00, 0.36, 0.42, 0.46
HSL	8°, 27%, 43%
HSV	8°, 42%, 54%
XYZ	15.4172, 12.9619, 9.2789
YIQ	102.0380, 32.3680, 8.1120

Conversions

Conversions Part 2

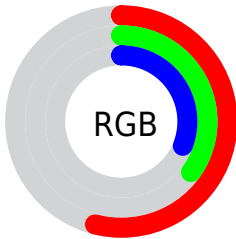
Format	Color
R_{YB}	138, 89, 80
Decimal	9066576
CIE Lab	42.71, 19.64, 13.20
CIE LCh	43, 23.668, 33.912
Yxy	12.9619, 0.4094, 0.3442
Android (android.graphics.Color)	4287256656 (0xFF8A5850)
YUV	102.0380, -10.8647, 31.5387
Hunter-Lab	36.0026, 13.4334, 9.9211

Details

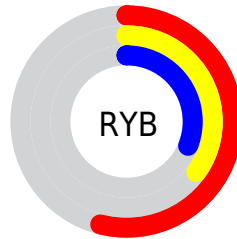
The Yxy color **12.9619, 0.4094, 0.3442** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.4991, 0.2546, 0.3128**, and the grayscale version is **13.3205, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.0994, 0.3848, 0.3415**, and **3.7617, 0.4582, 0.3458** is the 20% darker color. If you saturate the color by 10%, you get **10.9830, 0.4448, 0.3475**, and if you desaturate by 10%, it is **15.3025, 0.3791, 0.3405**.

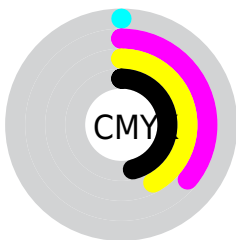
Distribution



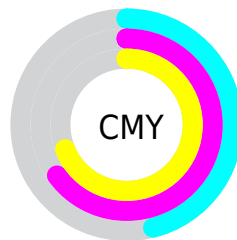
- Red (54%)
- Green (35%)
- Blue (31%)



- Red (54%)
- Yellow (35%)
- Blue (31%)



- Cyan (0%)
- Magenta (36%)
- Yellow (42%)
- Black (46%)





- Cyan (46%)
- Magenta (65%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.9619, 0.4094, 0.3442 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 12.9619, 0.4094, 0.3442 by changing the saturation by 10% instead.


 12.9619, 0.4094,
0.3442


 12.9619, 0.4094,
0.3442


210.6733, 0.3504,
0.3367


 7.4023, 0.4294,
0.3455


 31.2353, 0.3846,
0.3417


 3.7150, 0.4594,
0.3461

 44.7179, 0.3763,
0.3407

 1.5154, 0.5134,
0.3472

 61.6104, 0.3698,
0.3398

 0.2995, 0.7184,
0.2816

 82.2970, 0.3645,
0.3390

 0.0000, 0.0000,
0.0000

 107.1622, 0.3601,
0.3383

136.5904, 0.3563,

0.3377

170.9660, 0.3531,
0.3372

■ 12.9619, 0.4094,
0.3442

■ 12.9619, 0.4094,
0.3442

■ 10.9830, 0.4448,
0.3475

■ 15.3025, 0.3791,
0.3405

■ 9.3460, 0.4848,
0.3498

■ 18.0197, 0.3539,
0.3367

■ 8.0318, 0.5273,
0.3505


■ 21.1297, 0.3330,
0.3331


■ 7.0189, 0.5683,
0.3491

■ 24.6475, 0.3158,
0.3297

■ 6.2830, 0.6025,
0.3452


■ 28.5870, 0.3016,
0.3265

 5.8698, 0.6246,
0.3422

 32.9615, 0.2900,
0.3236

 37.7840, 0.2802,
0.3210

 43.0665, 0.2721,
0.3186

 48.8209, 0.2653,
0.3165

Harmonies

Analogous

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



12.9619, 0.3787, 0.3049



12.9619, 0.4094, 0.3442



12.9619, 0.4111, 0.3832

Triad

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



12.9619, 0.4094, 0.3442



12.9619, 0.2902, 0.3973



12.9619, 0.2415, 0.2493

Complementary

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



12.9619, 0.4094, 0.3442



19.4991, 0.2546, 0.3128

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.



12.9619, 0.2224, 0.2655



12.9619, 0.4094, 0.3442



12.9619, 0.2486, 0.3508

Square

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



12.9619, 0.4094, 0.3442



12.9619, 0.3401, 0.4203



12.9619, 0.2247, 0.3013



12.9619, 0.2795, 0.2525

Rectangle

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



12.9619, 0.4094, 0.3442



12.9619, 0.3962, 0.4046



12.9619, 0.2247, 0.3013



12.9619, 0.2329, 0.2525

Sweetspot

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



12.9625, 0.4094, 0.3442



36.5255, 0.3354, 0.3335



12.7582, 0.3288, 0.2411



7.9435, 0.3393, 0.3342



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.



12.9625, 0.4094, 0.3442



19.6697, 0.4413, 0.3472



18.6398, 0.3874, 0.3956



5.1529, 0.3277, 0.3321



5.3970, 0.6241, 0.3426



0.0482, 0.5709, 0.3849

Inverse Universe

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



19.4991, 0.2546, 0.3128



32.7057, 0.2445, 0.3087



12.8986, 0.2449, 0.2512



5.5728, 0.2991, 0.3259



13.7812, 0.2128, 0.2859



0.1066, 0.2191, 0.3087

Previews

White Background



This preview shows how the Yxy color 12.9619, 0.4094, 0.3442 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 12.9619, 0.4094, 0.3442 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

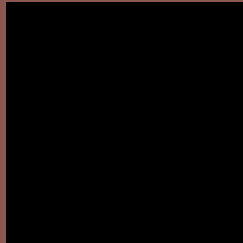
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9619, 0.4094, 0.3442

Background



This preview shows how black text looks on a background with the Yxy color 12.9619, 0.4094, 0.3442.



This preview shows how white text looks on a background with the Yxy color 12.9619, 0.4094, 0.3442.

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

12.9619, 0.4094, 0.3442

Protanopia

13.0434, 0.3411, 0.3624

Deuteranopia

13.0214, 0.3756, 0.3689



Tritanopia

12.9349, 0.3900, 0.3163

Trichromacy



Original Color

12.9619, 0.4094, 0.3442

Protanomaly

12.8574, 0.3653, 0.3544

Deuteranomaly

13.0055, 0.3873, 0.3593

Tritanomaly

13.0099, 0.3980, 0.3274

Monochromacy



Original Color

12.9619, 0.4094, 0.3442

Achromatopsia

13.2868, 0.3127, 0.3290

Achromatomaly

13.0024, 0.3448, 0.3354

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9619, 0.4094, 0.3442 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, 88, 80)` looks like.

```
.text, #text, p{  
    color:rgb(138, 88, 80)  
}
```

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, 88, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 88, 80) }
```

Border

The CSS property to change the border of an element to Yxy 12.9619, 0.4094, 0.3442 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, 88, 80) }
```

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

```
.border{ border-color:rgb(138, 88, 80) }
```

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

Here you see how a box with a 4 pixel rgb(138, 88, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 88, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 88, 80);  
box-shadow:4px 4px 4px 4px rgb(138, 88,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9619, 0.4094, 0.3442 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 88, 80) }
```

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

```
.background{ background-color: rgb(138, 88,  
80) }
```

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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