

Converting Colors

$Y_{xy}(13.0639, 0.3888, 0.3201)$

Have a look what the booklet for
Yxy(13.0639, 0.3888, 0.3201)
contains.

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Color

Yxy(12.9924, 0.3896, 0.3199)

Conversions

Conversions Part 1

Format	Color
Hex	8A575C
RGB	138, 87, 92
RGB Percent	54%, 34%, 36%
CMY	0.4588, 0.6588, 0.6392
CMYK	0.00, 0.37, 0.33, 0.46
HSL	354°, 23%, 44%
HSV	354°, 37%, 54%
XYZ	15.8232, 12.9924, 11.7984
YIQ	102.8190, 28.7910, 12.3670

Conversions

Conversions Part 2

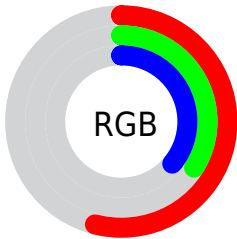
Format	Color
R _Y B	138, 87, 92
Decimal	9066332
CIE Lab	42.75, 21.82, 5.95
CIE LCh	43, 22.612, 15.248
Yxy	12.9924, 0.3896, 0.3199
Android (android.graphics.Color)	4287256412 (0xFF8A575C)
YUV	102.8190, -5.3338, 30.8537
Hunter-Lab	36.0450, 15.2801, 5.8245

Details

The Yxy color **12.9924, 0.3896, 0.3199** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.9017, 0.2668, 0.3387**, and the grayscale version is **13.5222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.1818, 0.3703, 0.3224**, and **3.6933, 0.4309, 0.3127** is the 20% darker color. If you saturate the color by 10%, you get **10.7678, 0.4221, 0.3176**, and if you desaturate by 10%, it is **15.6813, 0.3627, 0.3224**.

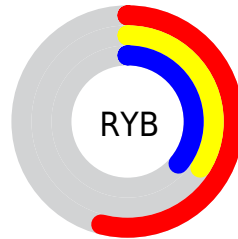
Distribution



Red (54%)

Green (34%)

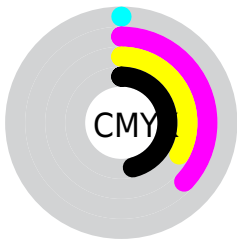
Blue (36%)



Red (54%)

Yellow (34%)

Blue (36%)

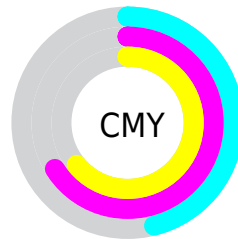


Cyan (0%)

Magenta (37%)

Yellow (33%)

Black (46%)



Cyan (46%)

Magenta (66%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 12.9924, 0.3896, 0.3199 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 12.9924, 0.3896, 0.3199 by changing the saturation by 10% instead.


 12.9924, 0.3896,
0.3199


 12.9924, 0.3896,
0.3199


210.8690, 0.3428,
0.3262


 7.4233, 0.4056,
0.3173


 31.2901, 0.3699,
0.3228


 3.7282, 0.4297,
0.3128

 44.7876, 0.3634,
0.3237


 1.5227, 0.4702,
0.3041

 61.6966, 0.3582,
0.3244

 0.3046, 0.7296,
0.2704

 82.4015, 0.3540,
0.3249

 0.0000, 0.0000,
0.0000

 107.2869, 0.3504,
0.3253

136.7369, 0.3475,

0.3257

171.1362, 0.3450,
0.3260

■ 12.9924, 0.3896,
0.3199

■ 12.9924, 0.3896,
0.3199

■ 10.7678, 0.4221,
0.3176

■ 15.6813, 0.3627,
0.3224

■ 8.9796, 0.4602,
0.3158

■ 18.8568, 0.3408,
0.3250

■ 7.5994, 0.5027,
0.3150


■ 22.5419, 0.3230,
0.3274


■ 6.5950, 0.5464,
0.3157


■ 26.7577, 0.3087,
0.3297


■ 5.9294, 0.5864,
0.3181


■ 31.5241, 0.2970,
0.3317

 5.5370, 0.6174,
0.3215

 36.8599, 0.2876,
0.3336

 5.4352, 0.6253,
0.3219

 42.7830, 0.2798,
0.3354

 49.3107, 0.2734,
0.3369

 56.4593, 0.2681,
0.3383

Harmonies

Analogous

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



12.9924, 0.3478, 0.2854



12.9924, 0.3896, 0.3199



12.9924, 0.4090, 0.3584

Triad

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



12.9924, 0.3896, 0.3199



12.9924, 0.3210, 0.4110



12.9924, 0.2308, 0.2601

Complementary

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



12.9924, 0.3896, 0.3199



21.9017, 0.2668, 0.3387

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.



12.9924, 0.2251, 0.2877



12.9924, 0.3896, 0.3199



12.9924, 0.2747, 0.3790

Square

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



12.9924, 0.3896, 0.3199



12.9924, 0.3671, 0.4148



12.9924, 0.2404, 0.3314



12.9924, 0.2564, 0.2517

Rectangle

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



12.9924, 0.3896, 0.3199



12.9924, 0.4061, 0.3827



12.9924, 0.2404, 0.3314



12.9924, 0.2266, 0.2672

Sweetspot

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



12.9930, 0.3896, 0.3199



36.8399, 0.3301, 0.3264



13.6307, 0.3095, 0.2390



8.0964, 0.3322, 0.3261



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.



12.9930, 0.3896, 0.3199



19.7064, 0.4150, 0.3180



16.6926, 0.3846, 0.3668



5.0560, 0.3266, 0.3269



4.9831, 0.6248, 0.3215



0.0340, 0.5642, 0.2882

Inverse Universe

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



12.9930, 0.3896, 0.3199



19.7064, 0.4150, 0.3180



16.7263, 0.2570, 0.2875



5.0560, 0.3266, 0.3269



4.9831, 0.6248, 0.3215



0.0340, 0.5642, 0.2882

Previews

White Background



This preview shows how the Yxy color 12.9924, 0.3896, 0.3199 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 12.9924, 0.3896, 0.3199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

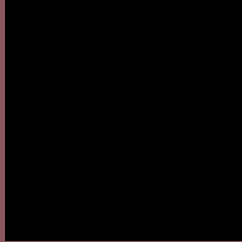
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.9924, 0.3896, 0.3199

Background



This preview shows how black text looks on a background with the Yxy color 12.9924, 0.3896, 0.3199.



This preview shows how white text looks on a background with the Yxy color 12.9924, 0.3896, 0.3199.

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

12.9924, 0.3896, 0.3199

Protanopia

13.1705, 0.3184, 0.3312

Deuteranopia

13.1184, 0.3504, 0.3461



Tritanopia

13.0100, 0.3878, 0.3180

Trichromacy



Original Color

12.9924, 0.3896, 0.3199

Protanomaly

12.9418, 0.3422, 0.3270

Deuteranomaly

12.9717, 0.3634, 0.3353

Tritanomaly

13.0100, 0.3878, 0.3180

Monochromacy



Original Color

12.9924, 0.3896, 0.3199

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

13.1632, 0.3389, 0.3249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.9924, 0.3896, 0.3199 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, 87, 92)` looks like.

```
.text, #text, p{  
    color:rgb(138, 87, 92)  
}
```

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, 87, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 87, 92) }
```

Border

The CSS property to change the border of an element to Yxy 12.9924, 0.3896, 0.3199 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, 87, 92) }
```

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

```
.border{ border-color:rgb(138, 87, 92) }
```

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

Here you see how a box with a 4 pixel rgb(138, 87, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 87, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 87, 92);  
box-shadow:4px 4px 4px 4px rgb(138, 87,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 12.9924, 0.3896, 0.3199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 87, 92) }
```

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

```
.background{ background-color: rgb(138, 87,  
92) }
```

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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