

Converting Colors

$Y_{xy}(12.8623, 0.4096, 0.3427)$

Have a look what the booklet for
Yxy(12.8623, 0.4096, 0.3427)
contains.

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Color

Yxy(12.7989, 0.4102, 0.3423)

Conversions

Conversions Part 1

Format	Color
Hex	8A5750
RGB	138, 87, 80
RGB Percent	54%, 34%, 31%
CMY	0.4588, 0.6588, 0.6862
CMYK	0.00, 0.37, 0.42, 0.46
HSL	7°, 27%, 43%
HSV	7°, 42%, 54%
XYZ	15.3377, 12.7989, 9.2542
YIQ	101.4510, 32.6430, 8.6350

Conversions

Conversions Part 2

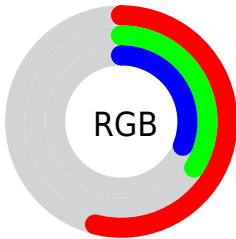
Format	Color
R_{YB}	138, 88, 80
Decimal	9066320
CIE Lab	42.46, 20.24, 12.86
CIE LCh	42, 23.976, 32.428
Yxy	12.7989, 0.4102, 0.3423
Android (android.graphics.Color)	4287256400 (0xFF8A5750)
YUV	101.4510, -10.5753, 32.0535
Hunter-Lab	35.7756, 13.9195, 9.7060

Details

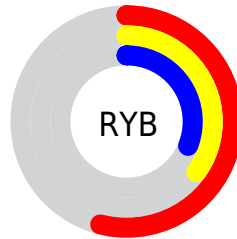
The Yxy color **12.7989, 0.4102, 0.3423** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.7766, 0.2550, 0.3149**, and the grayscale version is **13.1589, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8138, 0.3853, 0.3401**, and **3.6917, 0.4599, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **10.8132, 0.4462, 0.3451**, and if you desaturate by 10%, it is **15.1583, 0.3796, 0.3391**.

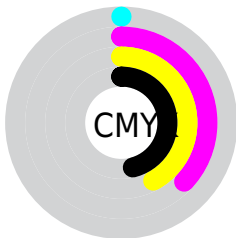
Distribution



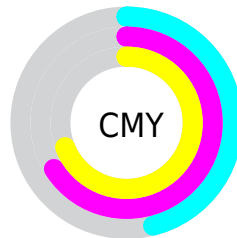
- Red (54%)
- Green (34%)
- Blue (31%)



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



- Cyan (0%)
- Magenta (37%)
- Yellow (42%)
- Black (46%)





- Cyan (46%)
- Magenta (66%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.7989, 0.4102, 0.3423 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 12.7989, 0.4102, 0.3423 by changing the saturation by 10% instead.


 12.7989, 0.4102,
0.3423


 12.7989, 0.4102,
0.3423


209.6248, 0.3506,
0.3360

 7.2902, 0.4305,
0.3432


 30.9420, 0.3851,
0.3403


 3.6443, 0.4609,
0.3433


 44.3453, 0.3768,
0.3394

 1.4766, 0.5162,
0.3435

 61.1488, 0.3702,
0.3387

 0.2722, 0.7344,
0.2656

 81.7370, 0.3648,
0.3380

 0.0000, 0.0000,
0.0000

 106.4943, 0.3603,
0.3374

135.8051, 0.3566,

0.3369

170.0538, 0.3534,
0.3364

■ 12.7989, 0.4102,
0.3423

■ 12.7989, 0.4102,
0.3423

■ 10.8132, 0.4462,
0.3451

■ 15.1583, 0.3796,
0.3391

■ 9.1800, 0.4868,
0.3471

■ 17.9071, 0.3541,
0.3358

■ 7.8794, 0.5299,
0.3477

■ 21.0626, 0.3330,
0.3326

■ 6.8882, 0.5712,
0.3463

■ 24.6404, 0.3158,
0.3296

■ 6.1804, 0.6054,
0.3427

■ 28.6554, 0.3016,
0.3268

■ 5.7928, 0.6271,
0.3403

■ 33.1215, 0.2900,
0.3243

■ 38.0522, 0.2803,
0.3220

■ 43.4605, 0.2723,
0.3200

■ 49.3587, 0.2655,
0.3181

Harmonies

Analogous

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



12.7989, 0.3777, 0.3026



12.7989, 0.4102, 0.3423



12.7989, 0.4134, 0.3822

Triad

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



12.7989, 0.4102, 0.3423



12.7989, 0.2922, 0.4005



12.7989, 0.2389, 0.2484

Complementary

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



12.7989, 0.4102, 0.3423



19.7766, 0.2550, 0.3149

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.



12.7989, 0.2206, 0.2657



12.7989, 0.4102, 0.3423



12.7989, 0.2492, 0.3538

Square

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



12.7989, 0.4102, 0.3423



12.7989, 0.3430, 0.4223



12.7989, 0.2240, 0.3030



12.7989, 0.2767, 0.2507

Rectangle

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



12.7989, 0.4102, 0.3423



12.7989, 0.3990, 0.4044



12.7989, 0.2240, 0.3030



12.7989, 0.2305, 0.2519

Sweetspot

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



12.7995, 0.4102, 0.3423



36.3857, 0.3355, 0.3330



12.7878, 0.3273, 0.2397



7.9084, 0.3394, 0.3336



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.



12.7995, 0.4102, 0.3423



19.3653, 0.4425, 0.3449



18.4209, 0.3881, 0.3939



5.1395, 0.3277, 0.3317



5.3241, 0.6267, 0.3406



0.0463, 0.5781, 0.3792

Inverse Universe

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



19.7766, 0.2550, 0.3149



33.2814, 0.2450, 0.3114



13.0915, 0.2453, 0.2534



5.5875, 0.2991, 0.3263



14.3164, 0.2143, 0.2916



0.1085, 0.2199, 0.3114

Previews

White Background



This preview shows how the Yxy color 12.7989, 0.4102, 0.3423 looks on a white background.

Color Contrast Check

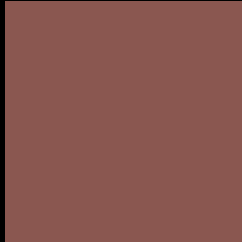
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.7989, 0.4102, 0.3423 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 12.7989, 0.4102, 0.3423

Background



This preview shows how black text looks on a background with the Yxy color 12.7989, 0.4102, 0.3423.



This preview shows how white text looks on a background with the Yxy color 12.7989, 0.4102, 0.3423.

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

12.7989, 0.4102, 0.3423

Protanopia

12.8504, 0.3414, 0.3602

Deuteranopia

12.9510, 0.3739, 0.3691



Tritanopia

12.7587, 0.3924, 0.3163

Trichromacy



Original Color

12.7989, 0.4102, 0.3423

Protanomaly

12.6761, 0.3659, 0.3523

Deuteranomaly

12.7532, 0.3864, 0.3575

Tritanomaly

12.8491, 0.3987, 0.3255

Monochromacy



Original Color

12.7989, 0.4102, 0.3423

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.7335, 0.3451, 0.3355

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.7989, 0.4102, 0.3423 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(138, 87, 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, 87, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 87, 80) }
```

Border

The CSS property to change the border of an element to Yxy 12.7989, 0.4102, 0.3423 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, 80) }
```

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

```
.border{ border-color:rgb(138, 87, 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, 87, 80) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 87, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 87, 80);  
box-shadow:4px 4px 4px 4px rgb(138, 87,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 12.7989, 0.4102, 0.3423 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, 80) }
```

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

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