

Converting Colors

$Y_{xy}(12.2627, 0.4126, 0.3367)$

Have a look what the booklet for
Yxy(12.2627, 0.4126, 0.3367)
contains.

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Color

Yxy(12.3231, 0.4126, 0.3367)

Conversions

Conversions Part 1

Format	Color
Hex	8A5450
RGB	138, 84, 80
RGB Percent	54%, 33%, 31%
CMY	0.4588, 0.6706, 0.6862
CMYK	0.00, 0.39, 0.42, 0.46
HSL	4°, 27%, 43%
HSV	4°, 42%, 54%
XYZ	15.1010, 12.3231, 9.1755
YIQ	99.6900, 33.4680, 10.2040

Conversions

Conversions Part 2

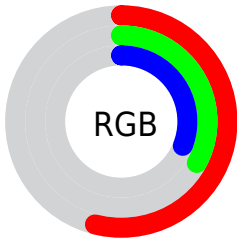
Format	Color
R_{YB}	138, 84, 80
Decimal	9065552
CIE _{Lab}	41.73, 21.99, 11.84
CIE _{LCh}	42, 24.977, 28.302
Yxy	12.3231, 0.4126, 0.3367
Android (android.graphics.Color)	4287255632 (0xFF8A5450)
YUV	99.6900, -9.7072, 33.5979
Hunter-Lab	35.1043, 15.3539, 9.0758

Details

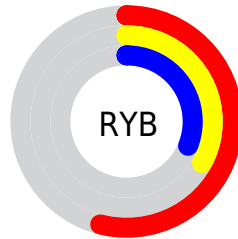
The Yxy color **12.3231, 0.4126, 0.3367** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.5995, 0.2559, 0.3209**, and the grayscale version is **12.6803, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.9726, 0.3866, 0.3361**, and **3.4449, 0.4626, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **10.3247, 0.4501, 0.3383**, and if you desaturate by 10%, it is **14.7308, 0.3809, 0.3348**.

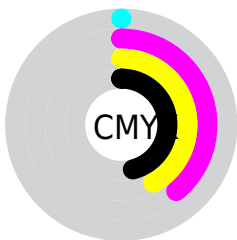
Distribution



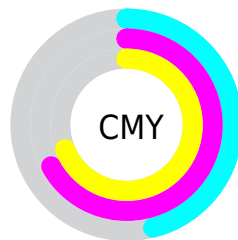
- Red (54%)
- Green (33%)
- Blue (31%)



- Red (54%)
- Yellow (33%)
- Blue (31%)



- Cyan (0%)
- Magenta (39%)
- Yellow (42%)
- Black (46%)





- Cyan (46%)
- Magenta (67%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.3231, 0.4126, 0.3367 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 12.3231, 0.4126, 0.3367 by changing the saturation by 10% instead.


 12.3231, 0.4126,
0.3367


 12.3231, 0.4126,
0.3367


206.5327, 0.3512,
0.3337

 6.9641, 0.4337,
0.3365


 30.0822, 0.3866,
0.3361


 3.4397, 0.4656,
0.3348

 43.2511, 0.3781,
0.3357


 1.3654, 0.5248,
0.3326

 59.7922, 0.3713,
0.3353

 0.1910, 0.7900,
0.2100

 80.0897, 0.3658,
0.3349

 0.0000, 0.0000,
0.0000

 104.5281, 0.3612,
0.3346

133.4918, 0.3573,

0.3343

167.3652, 0.3541,
0.3340

■ 12.3231, 0.4126,
0.3367

■ 12.3231, 0.4126,
0.3367

■ 10.3247, 0.4501,
0.3383

■ 14.7308, 0.3809,
0.3348

■ 8.7111, 0.4925,
0.3394

■ 17.5669, 0.3546,
0.3329

■ 7.4582, 0.5372,
0.3396


■ 20.8515, 0.3332,
0.3311

■ 6.5380, 0.5795,
0.3386


■ 24.6028, 0.3158,
0.3293

■ 5.9189, 0.6130,
0.3363


■ 28.8381, 0.3016,
0.3277

 5.6095, 0.6331,
0.3355

 33.5737, 0.2900,
0.3263

 38.8253, 0.2805,
0.3250

 44.6078, 0.2726,
0.3238

 50.9355, 0.2661,
0.3228

Harmonies

Analogous

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



12.3231, 0.3747, 0.2959



12.3231, 0.4126, 0.3367



12.3231, 0.4203, 0.3790

Triad

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



12.3231, 0.4126, 0.3367



12.3231, 0.2981, 0.4099



12.3231, 0.2313, 0.2455

Complementary

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



12.3231, 0.4126, 0.3367



20.5995, 0.2559, 0.3209

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.



12.3231, 0.2152, 0.2664



12.3231, 0.4126, 0.3367



12.3231, 0.2511, 0.3627

Square

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



12.3231, 0.4126, 0.3367



12.3231, 0.3515, 0.4281



12.3231, 0.2219, 0.3081



12.3231, 0.2682, 0.2454

Rectangle

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



12.3231, 0.4126, 0.3367



12.3231, 0.4076, 0.4037



12.3231, 0.2219, 0.3081



12.3231, 0.2235, 0.2501

Sweetspot

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



12.3237, 0.4126, 0.3367



35.9766, 0.3357, 0.3313



12.8692, 0.3230, 0.2353



7.8058, 0.3396, 0.3317



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.



12.3237, 0.4126, 0.3367



18.5018, 0.4463, 0.3382



17.7667, 0.3902, 0.3890



5.1002, 0.3279, 0.3306



5.1516, 0.6328, 0.3358



0.0405, 0.6018, 0.3604

Inverse Universe

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



20.5995, 0.2559, 0.3209



35.0189, 0.2464, 0.3190



13.6746, 0.2463, 0.2598



5.6309, 0.2991, 0.3274



15.9729, 0.2189, 0.3080



0.1143, 0.2220, 0.3191

Previews

White Background



This preview shows how the Yxy color 12.3231, 0.4126, 0.3367 looks on a white background.

Color Contrast Check

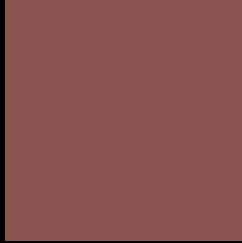
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.3231, 0.4126, 0.3367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

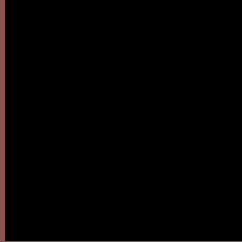
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.3231, 0.4126, 0.3367

Background



This preview shows how black text looks on a background with the Yxy color 12.3231, 0.4126, 0.3367.

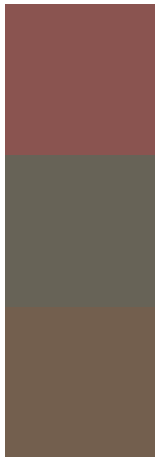


This preview shows how white text looks on a background with the Yxy color 12.3231, 0.4126, 0.3367.

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

12.3231, 0.4126, 0.3367

Protanopia

12.4954, 0.3357, 0.3562

Deuteranopia

12.3793, 0.3704, 0.3657



Tritanopia

12.3967, 0.3989, 0.3181

Trichromacy



Original Color

12.3231, 0.4126, 0.3367

Protanomaly

12.3585, 0.3632, 0.3505

Deuteranomaly

12.2576, 0.3846, 0.3539

Tritanomaly

12.3474, 0.4043, 0.3237

Monochromacy



Original Color

12.3231, 0.4126, 0.3367

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

12.3731, 0.3458, 0.3312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.3231, 0.4126, 0.3367 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, 84, 80)` looks like.

```
.text, #text, p{  
  color:rgb(138, 84, 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, 84, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 84, 80) }
```

Border

The CSS property to change the border of an element to Yxy 12.3231, 0.4126, 0.3367 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, 84, 80) }
```

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

```
.border{ border-color:rgb(138, 84, 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, 84, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 84, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 84, 80);  
box-shadow:4px 4px 4px 4px rgb(138, 84,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 12.3231, 0.4126, 0.3367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 84, 80) }
```

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

```
.background{ background-color: rgb(138, 84,  
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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