

Converting Colors

$Y_{xy}(12.8656, 0.4269, 0.3752)$

Have a look what the booklet for
Yxy(12.8656, 0.4269, 0.3752)
contains.

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Color

Yxy(12.8449, 0.4275, 0.3760)

Conversions

Conversions Part 1

Format	Color
Hex	875A41
RGB	135, 90, 65
RGB Percent	53%, 35%, 25%
CMY	0.4705, 0.6471, 0.7450
CMYK	0.00, 0.33, 0.52, 0.47
HSL	21°, 35%, 39%
HSV	21°, 52%, 53%
XYZ	14.6042, 12.8449, 6.7128
YIQ	100.6050, 34.8450, 1.7650

Conversions

Conversions Part 2

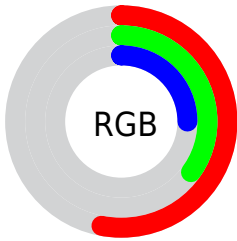
Format	Color
R_{YB}	135, 104, 65
Decimal	8870465
CIE _{Lab}	42.53, 15.53, 21.90
CIE _{LCh}	43, 26.847, 54.669
Yxy	12.8449, 0.4275, 0.3760
Android (android.graphics.Color)	4287060545 (0xFF875A41)
YUV	100.6050, -17.5533, 30.1644
Hunter-Lab	35.8398, 10.0168, 13.9828

Details

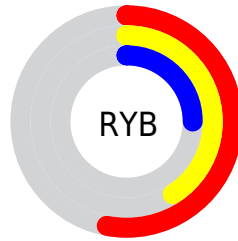
The Yxy color **12.8449, 0.4275, 0.3760** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **14.0338, 0.2372, 0.2743**, and the grayscale version is **12.9468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.8956, 0.3985, 0.3665**, and **3.6493, 0.4834, 0.3907** is the 20% darker color. If you saturate the color by 10%, you get **11.3270, 0.4590, 0.3832**, and if you desaturate by 10%, it is **14.5726, 0.3987, 0.3673**.

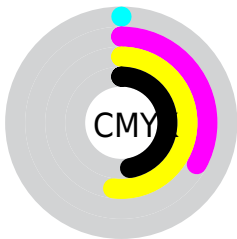
Distribution



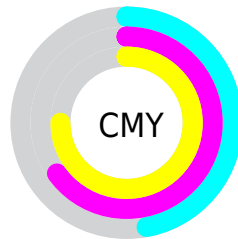
- Red (53%)
- Green (35%)
- Blue (25%)



- Red (53%)
- Yellow (41%)
- Blue (25%)



- Cyan (0%)
- Magenta (33%)
- Yellow (52%)
- Black (47%)





- Cyan (47%)
- Magenta (65%)
- Yellow (75%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 12.8449, 0.4275, 0.3760 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 12.8449, 0.4275, 0.3760 by changing the saturation by 10% instead.


 12.8449, 0.4275,
0.3760


 12.8449, 0.4275,
0.3760


 209.9213, 0.3579,
0.3504


 7.3218, 0.4503,
0.3822


 31.0249, 0.3985,
0.3665

 3.6642, 0.4834,
0.3890

 44.4505, 0.3888,
0.3629

 1.4875, 0.5759,
0.4241

 61.2792, 0.3810,
0.3599

 0.2799, 0.6974,
0.3026

 81.8953, 0.3747,
0.3574

 0.0000, 0.0000,
0.0000

 106.6831, 0.3694,
0.3553

 136.0271, 0.3650,

0.3534

170.3117, 0.3611,
0.3518

■ 12.8449, 0.4275,
0.3760

■ 12.8449, 0.4275,
0.3760

■ 11.3270, 0.4590,
0.3832

■ 14.5726, 0.3987,
0.3673

■ 10.0086, 0.4922,
0.3878

■ 16.5163, 0.3732,
0.3579

■ 8.8808, 0.5249,
0.3887

■ 18.6842, 0.3510,
0.3484

■ 7.9336, 0.5547,
0.3849

■ 21.0834, 0.3319,
0.3392

■ 7.2809, 0.5771,
0.3800

■ 23.7209, 0.3155,
0.3305

■ 26.6030, 0.3015,
0.3224

■ 29.7362, 0.2895,
0.3150

■ 33.1265, 0.2792,
0.3081

■ 36.7796, 0.2704,
0.3019

Harmonies

Analogous

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



12.8449, 0.4153, 0.3313



12.8449, 0.4275, 0.3760



12.8449, 0.4060, 0.4147

Triad

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



12.8449, 0.4275, 0.3760



12.8449, 0.2526, 0.3718



12.8449, 0.2598, 0.2399

Complementary

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



12.8449, 0.4275, 0.3760



14.0338, 0.2372, 0.2743

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.



12.8449, 0.2236, 0.2424



12.8449, 0.4275, 0.3760



12.8449, 0.2193, 0.3131

Square

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



12.8449, 0.4275, 0.3760



12.8449, 0.3037, 0.4196



12.8449, 0.2096, 0.2668



12.8449, 0.3134, 0.2569

Rectangle

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



12.8449, 0.4275, 0.3760



12.8449, 0.3772, 0.4307



12.8449, 0.2096, 0.2668



12.8449, 0.2455, 0.2384

Sweetspot

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



12.8455, 0.4275, 0.3760



35.7565, 0.3401, 0.3433



10.0716, 0.3604, 0.2464



8.1057, 0.3435, 0.3450



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.



12.8455, 0.4275, 0.3760



19.8925, 0.4641, 0.3841



20.0790, 0.3942, 0.4344



4.9406, 0.3271, 0.3368



6.7358, 0.5765, 0.3805



0.0362, 0.5048, 0.4374

Inverse Universe

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



14.0338, 0.2372, 0.2743



22.2185, 0.2229, 0.2595



7.9764, 0.2217, 0.1942



5.0067, 0.2992, 0.3211



7.8982, 0.1921, 0.2114



0.0412, 0.2084, 0.2702

Previews

White Background



This preview shows how the Yxy color 12.8449, 0.4275, 0.3760 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 12.8449, 0.4275, 0.3760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

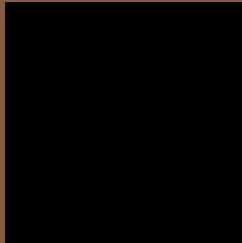
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 12.8449, 0.4275, 0.3760

Background



This preview shows how black text looks on a background with the Yxy color 12.8449, 0.4275, 0.3760.



This preview shows how white text looks on a background with the Yxy color 12.8449, 0.4275, 0.3760.

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

12.8449, 0.4275, 0.3760

Protanopia

12.9882, 0.3700, 0.3993

Deuteranopia

12.8735, 0.4023, 0.3943



Tritanopia

12.7643, 0.3868, 0.3161

Trichromacy



Original Color

12.8449, 0.4275, 0.3760

Protanomaly

12.8183, 0.3890, 0.3899

Deuteranomaly

12.8876, 0.4122, 0.3884

Tritanomaly

12.6752, 0.4019, 0.3368

Monochromacy



Original Color

12.8449, 0.4275, 0.3760

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.7647, 0.3507, 0.3485

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.8449, 0.4275, 0.3760 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(135, 90, 65)` looks like.

```
.text, #text, p{  
    color:rgb(135, 90, 65)  
}
```

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(135, 90, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 90, 65) }
```

Border

The CSS property to change the border of an element to Yxy 12.8449, 0.4275, 0.3760 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(135, 90, 65) }
```

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

```
.border{ border-color:rgb(135, 90, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 90, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 90, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 90, 65);  
box-shadow:4px 4px 4px 4px rgb(135, 90,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 12.8449, 0.4275, 0.3760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 90, 65) }
```

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

```
.background{ background-color: rgb(135, 90,  
65) }
```

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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