

Converting Colors

$Y_{xy}(24.8075, 0.3996, 0.3716)$

Have a look what the booklet for
Yxy(24.8075, 0.3996, 0.3716)
contains.

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Color

Yxy(24.7375, 0.4002, 0.3717)

Conversions

Conversions Part 1

Format	Color
Hex	AB7F63
RGB	171, 127, 99
RGB Percent	67%, 50%, 39%
CMY	0.3295, 0.5019, 0.6117
CMYK	0.00, 0.26, 0.42, 0.33
HSL	23°, 30%, 53%
HSV	23°, 42%, 67%
XYZ	26.6342, 24.7375, 15.1806
YIQ	136.9640, 35.2120, 0.6200

Conversions

Conversions Part 2

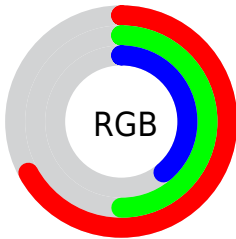
Format	Color
RYB	171, 145, 99
Decimal	11239267
CIELab	56.82, 13.32, 21.84
CIElCh	57, 25.583, 58.627
Yxy	24.7375, 0.4002, 0.3717
Android (android.graphics.Color)	4289429347 (0xFFAB7F63)
YUV	136.9640, -18.7163, 29.8496
Hunter-Lab	49.7368, 8.5480, 16.7194

Details

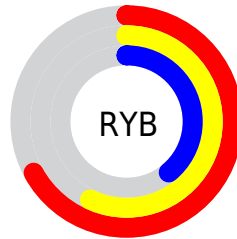
The Yxy color **24.7375, 0.4002, 0.3717** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **25.2371, 0.2486, 0.2811**, and the grayscale version is **25.0649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.3385, 0.3815, 0.3639**, and **9.4786, 0.4329, 0.3841** is the 20% darker color. If you saturate the color by 10%, you get **21.8848, 0.4289, 0.3813**, and if you desaturate by 10%, it is **27.9417, 0.3745, 0.3613**.

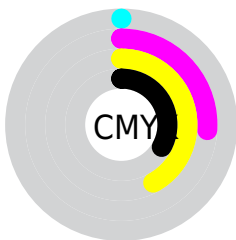
Distribution



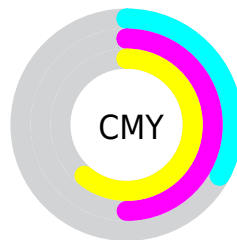
- Red (67%)
- Green (50%)
- Blue (39%)



- Red (67%)
- Yellow (57%)
- Blue (39%)



- Cyan (0%)
- Magenta (26%)
- Yellow (42%)
- Black (33%)





- Cyan (33%)
- Magenta (50%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7375, 0.4002, 0.3717 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 24.7375, 0.4002, 0.3717 by changing the saturation by 10% instead.


 24.7375, 0.4002,
0.3717


 24.7375, 0.4002,
0.3717


276.5281, 0.3517,
0.3497


 15.8816, 0.4140,
0.3771


 51.2311, 0.3814,
0.3637


 9.4404, 0.4326,
0.3838


 69.6375, 0.3746,
0.3607

 5.0295, 0.4591,
0.3919

 91.9962, 0.3691,
0.3581

 2.2646, 0.5049,
0.4055

 118.6916, 0.3645,
0.3559

 0.7549, 0.5838,
0.4162

150.1081, 0.3606,
0.3541

 0.0000, 0.0000,
0.0000

186.6301, 0.3572,

0.3524

228.6420, 0.3542,
0.3510

■ 24.7375, 0.4002,
0.3717

■ 24.7375, 0.4002,
0.3717

■ 21.8848, 0.4289,
0.3813

■ 27.9417, 0.3745,
0.3613

■ 19.3672, 0.4602,
0.3891

■ 31.5061, 0.3520,
0.3508

■ 17.1720, 0.4925,
0.3939

■ 35.4433, 0.3326,
0.3406

■ 15.2843, 0.5241,
0.3946

■ 39.7642, 0.3159,
0.3309

■ 13.6874, 0.5522,
0.3902

■ 44.4794, 0.3016,
0.3219

■ 12.6113, 0.5718,
0.3842

■ 49.5990, 0.2893,
0.3136

■ 55.1325, 0.2788,
0.3060

■ 61.0893, 0.2697,
0.2990

■ 67.4785, 0.2619,
0.2927

Harmonies

Analogous

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



24.7375, 0.3938, 0.3368



24.7375, 0.4002, 0.3717



24.7375, 0.3815, 0.3991

Triad

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



24.7375, 0.4002, 0.3717



24.7375, 0.2622, 0.3559



24.7375, 0.2769, 0.2597

Complementary

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



24.7375, 0.4002, 0.3717



25.2371, 0.2486, 0.2811

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.



24.7375, 0.2458, 0.2602



24.7375, 0.4002, 0.3717



24.7375, 0.2377, 0.3124

Square

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



24.7375, 0.4002, 0.3717



24.7375, 0.3010, 0.3932



24.7375, 0.2321, 0.2781



24.7375, 0.3198, 0.2750

Rectangle

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



24.7375, 0.4002, 0.3717



24.7375, 0.3584, 0.4081



24.7375, 0.2321, 0.2781



24.7375, 0.2649, 0.2580

Sweetspot

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



24.7387, 0.4002, 0.3717



62.6501, 0.3347, 0.3418



19.5792, 0.3529, 0.2633



13.6226, 0.3387, 0.3439



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.7387, 0.4002, 0.3717



39.2919, 0.4284, 0.3811



35.6057, 0.3788, 0.4205



8.5071, 0.3277, 0.3379



9.6051, 0.5700, 0.3856



0.3753, 0.5143, 0.4298

Inverse Universe

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



25.2371, 0.2486, 0.2811



40.2777, 0.2347, 0.2676



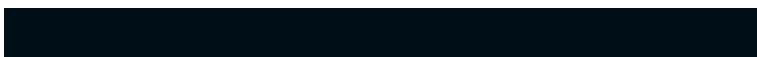
16.1962, 0.2383, 0.2168



8.5410, 0.2986, 0.3200



9.8596, 0.1885, 0.1985



0.3764, 0.2007, 0.2425

Previews

White Background



This preview shows how the Yxy color 24.7375, 0.4002, 0.3717 looks on a white background.

Color Contrast Check

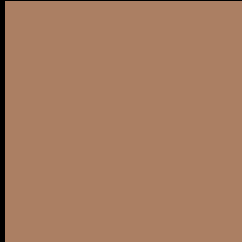
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 24.7375, 0.4002, 0.3717 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

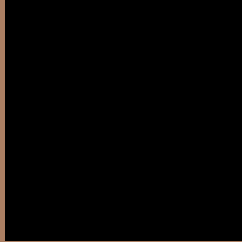
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.7375, 0.4002, 0.3717

Background



This preview shows how black text looks on a background with the Yxy color 24.7375, 0.4002, 0.3717.



This preview shows how white text looks on a background with the Yxy color 24.7375, 0.4002, 0.3717.

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

24.7375, 0.4002, 0.3717

Protanopia

24.6986, 0.3600, 0.3848

Deuteranopia

24.7958, 0.3878, 0.3813



Tritanopia

24.8305, 0.3650, 0.3157

Trichromacy



Original Color

24.7375, 0.4002, 0.3717

Protanomaly

24.7029, 0.3735, 0.3797

Deuteranomaly

24.8464, 0.3921, 0.3791

Tritanomaly

24.6556, 0.3784, 0.3352

Monochromacy



Original Color

24.7375, 0.4002, 0.3717

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.5947, 0.3423, 0.3457

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7375, 0.4002, 0.3717 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(171, 127, 99)` looks like.

```
.text, #text, p{  
    color:rgb(171, 127, 99)  
}
```

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(171, 127, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 127, 99) }
```

Border

The CSS property to change the border of an element to Yxy 24.7375, 0.4002, 0.3717 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(171, 127, 99) }
```

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

```
.border{ border-color:rgb(171, 127, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 127, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 127, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 127, 99);  
box-shadow:4px 4px 4px 4px rgb(171, 127,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7375, 0.4002, 0.3717 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 127, 99) }
```

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

```
.background{ background-color: rgb(171,  
127, 99) }
```

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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