

Converting Colors

$Y_{xy}(24.3573, 0.4166, 0.4002)$

Have a look what the booklet for
Yxy(24.3573, 0.4166, 0.4002)
contains.

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Color

Yxy(24.3573, 0.4166, 0.4002)

Conversions

Conversions Part 1

Format	Color
Hex	A88051
RGB	168, 128, 81
RGB Percent	66%, 50%, 32%
CMY	0.3411, 0.4980, 0.6823
CMYK	0.00, 0.24, 0.52, 0.34
HSL	32°, 35%, 49%
HSV	32°, 52%, 66%
XYZ	25.3555, 24.3573, 11.1501
YIQ	134.6020, 38.9270, -6.1370

Conversions

Conversions Part 2

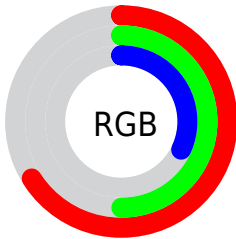
Format	Color
RYB	155, 168, 81
Decimal	11042897
CIELab	56.44, 9.61, 31.33
CIElCh	56, 32.775, 72.944
Yxy	24.3573, 0.4166, 0.4002
Android (android.graphics.Color)	4289232977 (0xFFA88051)
YUV	134.6020, -26.4258, 29.2900
Hunter-Lab	49.3531, 5.3375, 21.1521

Details

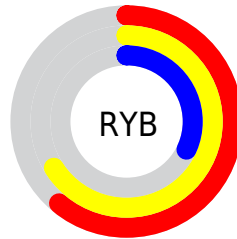
The Yxy color **24.3573, 0.4166, 0.4002** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **18.2572, 0.2300, 0.2427**, and the grayscale version is **24.1633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6940, 0.3947, 0.3873**, and **9.2182, 0.4521, 0.4212** is the 20% darker color. If you saturate the color by 10%, you get **22.1972, 0.4418, 0.4115**, and if you desaturate by 10%, it is **26.7357, 0.3924, 0.3870**.

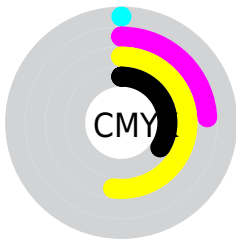
Distribution



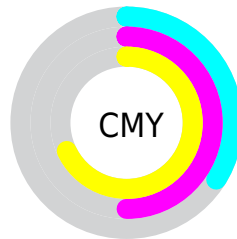
- Red (66%)
- Green (50%)
- Blue (32%)



- Red (61%)
- Yellow (66%)
- Blue (32%)



- Cyan (0%)
- Magenta (24%)
- Yellow (52%)
- Black (34%)





- Cyan (34%)
- Magenta (50%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.3573, 0.4166, 0.4002 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 24.3573, 0.4166, 0.4002 by changing the saturation by 10% instead.


 24.3573, 0.4166,
0.4002


 24.3573, 0.4166,
0.4002


274.6219, 0.3597,
0.3633


 15.5989, 0.4321,
0.4092


 50.6126, 0.3949,
0.3868

 9.2408, 0.4524,
0.4200


 68.8783, 0.3870,
0.3817


 4.8986, 0.4794,
0.4325

 91.0819, 0.3805,
0.3774

 2.1879, 0.5371,
0.4629

 117.6078, 0.3750,
0.3737

 0.7134, 0.5618,
0.4382

 148.8403, 0.3703,
0.3706

 0.0000, 0.0000,
0.0000

185.1639, 0.3663,

0.3678

226.9630, 0.3628,
0.3654

■ 24.3573, 0.4166,
0.4002

■ 24.3573, 0.4166,
0.4002

■ 22.1972, 0.4418,
0.4115

■ 26.7357, 0.3924,
0.3870

■ 20.2437, 0.4671,
0.4198

■ 29.3363, 0.3700,
0.3729

■ 18.4891, 0.4912,
0.4238

■ 32.1674, 0.3497,
0.3586

■ 16.9235, 0.5124,
0.4228

■ 35.2356, 0.3315,
0.3446

■ 15.7649, 0.5280,
0.4189

■ 38.5472, 0.3154,
0.3313

■ 42.1082, 0.3012,
0.3188

■ 45.9244, 0.2888,
0.3072

■ 50.0015, 0.2778,
0.2966

■ 54.3448, 0.2683,
0.2868

Harmonies

Analogous

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



24.3573, 0.4254, 0.3584



24.3573, 0.4166, 0.4002



24.3573, 0.3792, 0.4285

Triad

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



24.3573, 0.4166, 0.4002



24.3573, 0.2307, 0.3356



24.3573, 0.2913, 0.2491

Complementary

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



24.3573, 0.4166, 0.4002



18.2572, 0.2300, 0.2427

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.



24.3573, 0.2441, 0.2395



24.3573, 0.4166, 0.4002



24.3573, 0.2118, 0.2832

Square

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



24.3573, 0.4166, 0.4002



24.3573, 0.2716, 0.3924



24.3573, 0.2165, 0.2502



24.3573, 0.3492, 0.2758

Rectangle

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



24.3573, 0.4166, 0.4002



24.3573, 0.3445, 0.4323



24.3573, 0.2165, 0.2502



24.3573, 0.2738, 0.2439

Sweetspot

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



24.3585, 0.4166, 0.4002



61.3649, 0.3394, 0.3508



15.6074, 0.3874, 0.2677



13.1383, 0.3430, 0.3536



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



24.3585, 0.4166, 0.4002



39.7717, 0.4453, 0.4128



36.6169, 0.3837, 0.4528



8.1883, 0.3273, 0.3412



12.0062, 0.5267, 0.4200



0.3927, 0.4826, 0.4550

Inverse Universe

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



18.2572, 0.2300, 0.2427



27.5011, 0.2129, 0.2195



10.5935, 0.2181, 0.1691



7.8478, 0.2987, 0.3165



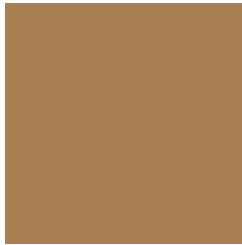
6.2717, 0.1744, 0.1477



0.2556, 0.1923, 0.2121

Previews

White Background



This preview shows how the Yxy color 24.3573, 0.4166, 0.4002 looks on a white background.

Color Contrast Check

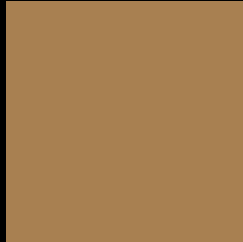
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3573, 0.4166, 0.4002 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

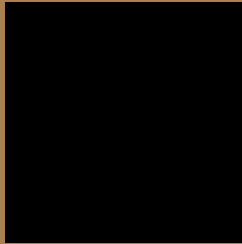
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.3573, 0.4166, 0.4002

Background



This preview shows how black text looks on a background with the Yxy color 24.3573, 0.4166, 0.4002.



This preview shows how white text looks on a background with the Yxy color 24.3573, 0.4166, 0.4002.

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

24.3573, 0.4166, 0.4002

Protanopia

24.5443, 0.3827, 0.4153

Deuteranopia

24.2939, 0.4121, 0.4028



Tritanopia

24.3284, 0.3641, 0.3156

Trichromacy



Original Color

24.3573, 0.4166, 0.4002

Protanomaly

24.3682, 0.3945, 0.4097

Deuteranomaly

24.4016, 0.4133, 0.4024

Tritanomaly

24.2655, 0.3847, 0.3460

Monochromacy



Original Color

24.3573, 0.4166, 0.4002

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.9434, 0.3493, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.3573, 0.4166, 0.4002 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(168, 128, 81)` looks like.

```
.text, #text, p{  
    color:rgb(168, 128, 81)  
}
```

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(168, 128, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 128, 81) }
```

Border

The CSS property to change the border of an element to Yxy 24.3573, 0.4166, 0.4002 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(168, 128, 81) }
```

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

```
.border{ border-color:rgb(168, 128, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 128, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 128, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 128, 81);  
box-shadow:4px 4px 4px 4px rgb(168, 128,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 24.3573, 0.4166, 0.4002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 128, 81) }
```

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

```
.background{ background-color: rgb(168,  
128, 81) }
```

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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