

Converting Colors

$Y_{xy}(24.0260, 0.4609, 0.3871)$

Have a look what the booklet for
Yxy(24.0260, 0.4609, 0.3871)
contains.

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Color

Yxy(24.0224, 0.4604, 0.3874)

Conversions

Conversions Part 1

Format	Color
Hex	BD7549
RGB	189, 117, 73
RGB Percent	74%, 46%, 29%
CMY	0.2589, 0.5411, 0.7137
CMYK	0.00, 0.38, 0.61, 0.26
HSL	23°, 47%, 51%
HSV	23°, 61%, 74%
XYZ	28.5491, 24.0224, 9.4378
YIQ	133.5120, 57.0360, 1.5800

Conversions

Conversions Part 2

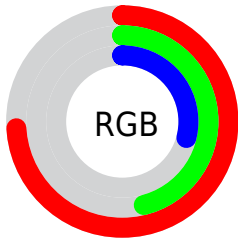
Format	Color
RYB	189, 144, 73
Decimal	12416329
CIELab	56.11, 24.03, 35.82
CIElCh	56, 43.132, 56.138
Yxy	24.0224, 0.4604, 0.3874
Android (android.graphics.Color)	4290606409 (0xFFBD7549)
YUV	133.5120, -29.8324, 48.6630
Hunter-Lab	49.0127, 18.2012, 22.8920

Details

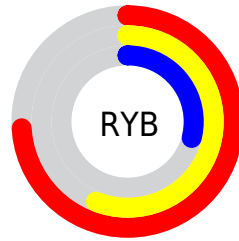
The Yxy color **24.0224, 0.4604, 0.3874** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **25.3411, 0.2222, 0.2553**, and the grayscale version is **23.7488, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3192, 0.4294, 0.3790**, and **9.0387, 0.5091, 0.3959** is the 20% darker color. If you saturate the color by 10%, you get **21.2452, 0.4935, 0.3922**, and if you desaturate by 10%, it is **27.2208, 0.4286, 0.3797**.

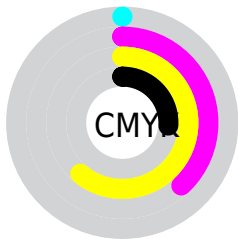
Distribution



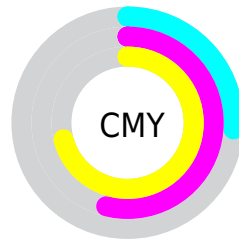
- Red (74%)
- Green (46%)
- Blue (29%)



- Red (74%)
- Yellow (56%)
- Blue (29%)



- Cyan (0%)
- Magenta (38%)
- Yellow (61%)
- Black (26%)





- Cyan (26%)
- Magenta (54%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0224, 0.4604, 0.3874 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 24.0224, 0.4604, 0.3874 by changing the saturation by 10% instead.


 24.0224, 0.4604,
0.3874


 24.0224, 0.4604,
0.3874


272.9337, 0.3793,
0.3605


 15.3502, 0.4822,
0.3920


 50.0668, 0.4295,
0.3789

 9.0656, 0.5104,
0.3959


 68.2077, 0.4183,
0.3752


 4.7840, 0.5489,
0.3977

 90.2738, 0.4090,
0.3720

 2.1211, 0.6058,
0.3942

 116.6493, 0.4011,
0.3691

 0.6764, 0.6564,
0.3436

 147.7186, 0.3945,
0.3666

 0.0000, 1.0000,
0.0000

183.8662, 0.3887,

 0.0000, 0.0000,

0.3644

0.0000

225.4764, 0.3837,
0.3624

■ 24.0224, 0.4604,
0.3874

■ 24.0224, 0.4604,
0.3874

■ 21.2452, 0.4935,
0.3922

■ 27.2208, 0.4286,
0.3797

■ 18.8657, 0.5257,
0.3927

■ 30.8549, 0.3995,
0.3703

■ 16.8634, 0.5545,
0.3882

■ 34.9429, 0.3736,
0.3601

■ 15.4126, 0.5757,
0.3811

■ 39.5009, 0.3510,
0.3497

■ 44.5440, 0.3315,
0.3397

■ 50.0866, 0.3148,
0.3302

■ 56.1425, 0.3005,
0.3214

■ 62.7249, 0.2884,
0.3133

■ 69.8465, 0.2779,
0.3059

Harmonies

Analogous

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



24.0224, 0.4485, 0.3318



24.0224, 0.4604, 0.3874



24.0224, 0.4283, 0.4383

Triad

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



24.0224, 0.4604, 0.3874



24.0224, 0.2318, 0.3814



24.0224, 0.2473, 0.2178

Complementary

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



24.0224, 0.4604, 0.3874



25.3411, 0.2222, 0.2553

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.



24.0224, 0.2018, 0.2183



24.0224, 0.4604, 0.3874



24.0224, 0.1929, 0.3025

Square

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



24.0224, 0.4604, 0.3874



24.0224, 0.2952, 0.4485



24.0224, 0.1833, 0.2455



24.0224, 0.3163, 0.2399

Rectangle

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



24.0224, 0.4604, 0.3874



24.0224, 0.3897, 0.4614



24.0224, 0.1833, 0.2455



24.0224, 0.2292, 0.2153

Sweetspot

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



24.0236, 0.4604, 0.3874



73.4396, 0.3446, 0.3466



17.6747, 0.3784, 0.2339



15.2453, 0.3506, 0.3496



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



24.0236, 0.4604, 0.3874



36.3443, 0.5060, 0.3929



41.3892, 0.4094, 0.4551



10.1136, 0.3279, 0.3378



10.5081, 0.5734, 0.3829



0.5387, 0.5284, 0.4186

Inverse Universe

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



25.3411, 0.2222, 0.2553



38.7420, 0.2069, 0.2352



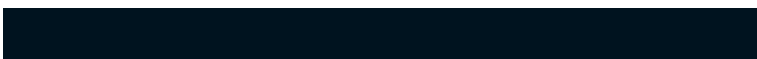
12.1491, 0.2001, 0.1572



10.1848, 0.2984, 0.3201



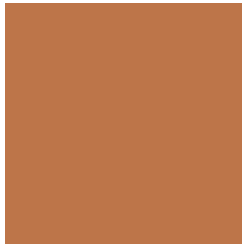
11.2314, 0.1893, 0.2013



0.5623, 0.1987, 0.2353

Previews

White Background



This preview shows how the Yxy color 24.0224, 0.4604, 0.3874 looks on a white background.

Color Contrast Check

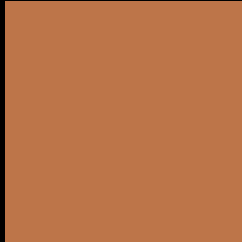
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.0224, 0.4604, 0.3874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

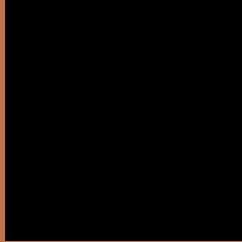
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 24.0224, 0.4604, 0.3874

Background



This preview shows how black text looks on a background with the Yxy color 24.0224, 0.4604, 0.3874.



This preview shows how white text looks on a background with the Yxy color 24.0224, 0.4604, 0.3874.

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

24.0224, 0.4604, 0.3874

Protanopia

24.1884, 0.3885, 0.4216

Deuteranopia

24.2497, 0.4248, 0.4173



Tritanopia

23.9314, 0.4081, 0.3169

Trichromacy



Original Color

24.0224, 0.4604, 0.3874

Protanomaly

23.7607, 0.4148, 0.4079

Deuteranomaly

24.1208, 0.4372, 0.4068

Tritanomaly

23.8659, 0.4289, 0.3430

Monochromacy



Original Color

24.0224, 0.4604, 0.3874

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.4782, 0.3629, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0224, 0.4604, 0.3874 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(189, 117, 73)` looks like.

```
.text, #text, p{  
    color:rgb(189, 117, 73)  
}
```

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(189, 117, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 117, 73) }
```

Border

The CSS property to change the border of an element to Yxy 24.0224, 0.4604, 0.3874 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(189, 117, 73) }
```

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

```
.border{ border-color:rgb(189, 117, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 117, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 117, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 117, 73);  
box-shadow:4px 4px 4px 4px rgb(189, 117,  
73) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0224, 0.4604, 0.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 117, 73) }
```

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

```
.background{ background-color: rgb(189,  
117, 73) }
```

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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