

Converting Colors

$Y_{xy}(24.2560, 0.4659, 0.3974)$

Have a look what the booklet for
Yxy(24.2560, 0.4659, 0.3974)
contains.

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Color

Yxy(24.4058, 0.4658, 0.3979)

Conversions

Conversions Part 1

Format	Color
Hex	BD7742
RGB	189, 119, 66
RGB Percent	74%, 47%, 26%
CMY	0.2587, 0.5334, 0.7411
CMYK	0.00, 0.37, 0.65, 0.26
HSL	26°, 48%, 50%
HSV	26°, 65%, 74%
XYZ	28.5705, 24.4058, 8.3602
YIQ	133.8880, 58.7330, -1.6430

Conversions

Conversions Part 2

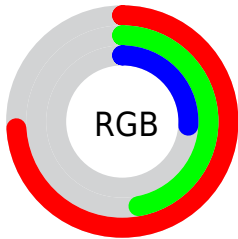
Format	Color
R_{YB}	189, 159, 66
Decimal	12416834
CIE Lab	56.49, 22.47, 39.98
CIE LCh	56, 45.863, 60.660
Yxy	24.4058, 0.4658, 0.3979
Android (android.graphics.Color)	4290606914 (0xFFBD7742)
YUV	133.8880, -33.4688, 48.3332
Hunter-Lab	49.4022, 16.7771, 24.5481

Details

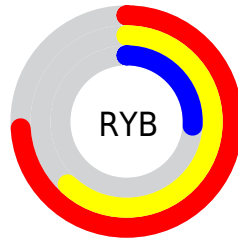
The Yxy color **24.4058, 0.4658, 0.3979** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **22.4518, 0.2151, 0.2385**, and the grayscale version is **23.9068, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.9057, 0.4342, 0.3879**, and **9.2493, 0.5147, 0.4083** is the 20% darker color. If you saturate the color by 10%, you get **21.8020, 0.4963, 0.4023**, and if you desaturate by 10%, it is **27.3758, 0.4356, 0.3900**.

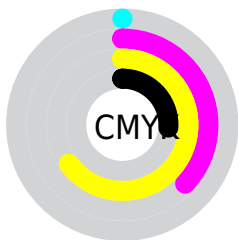
Distribution



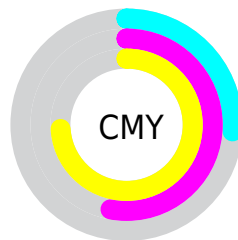
- Red (74%)
- Green (47%)
- Blue (26%)



- Red (74%)
- Yellow (62%)
- Blue (26%)



- Cyan (0%)
- Magenta (37%)
- Yellow (65%)
- Black (26%)




- Cyan (26%)
- Magenta (53%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4058, 0.4658, 0.3979 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 24.4058, 0.4658, 0.3979 by changing the saturation by 10% instead.


 24.4058, 0.4658,
0.3979


 24.4058, 0.4658,
0.3979


274.8657, 0.3826,
0.3662


 15.6349, 0.4875,
0.4033


 50.6916, 0.4345,
0.3878

 9.2662, 0.5149,
0.4078


 68.9753, 0.4230,
0.3835

 4.9152, 0.5544,
0.4122

 91.1987, 0.4134,
0.3797

 2.1976, 0.5976,
0.4024

 117.7463, 0.4053,
0.3763

 0.7187, 0.6431,
0.3569

 149.0024, 0.3984,
0.3733

 0.0000, 1.0000,
0.0000

185.3514, 0.3924,

 0.0000, 0.0000,

0.3707

0.0000

227.1777, 0.3872,
0.3683

■ 24.4058, 0.4658,
0.3979

■ 24.4058, 0.4658,
0.3979

■ 21.8020, 0.4963,
0.4023

■ 27.3758, 0.4356,
0.3900

■ 19.5433, 0.5251,
0.4021

■ 30.7240, 0.4071,
0.3798

■ 17.6118, 0.5499,
0.3965

■ 34.4661, 0.3812,
0.3684

■ 16.7686, 0.5611,
0.3926

■ 38.6159, 0.3582,
0.3568

■ 43.1864, 0.3381,
0.3453

■ 48.1899, 0.3206,
0.3343

■ 53.6380, 0.3056,
0.3240

■ 59.5421, 0.2926,
0.3145

■ 65.9131, 0.2814,
0.3058

Harmonies

Analogous

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



24.4058, 0.4614, 0.3398



24.4058, 0.4658, 0.3979



24.4058, 0.4256, 0.4501

Triad

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



24.4058, 0.4658, 0.3979



24.4058, 0.2192, 0.3713



24.4058, 0.2533, 0.2146

Complementary

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



24.4058, 0.4658, 0.3979



22.4518, 0.2151, 0.2385

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.



24.4058, 0.2017, 0.2111



24.4058, 0.4658, 0.3979



24.4058, 0.1835, 0.2894

Square

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



24.4058, 0.4658, 0.3979



24.4058, 0.2825, 0.4482



24.4058, 0.1782, 0.2346



24.4058, 0.3285, 0.2408

Rectangle

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



24.4058, 0.4658, 0.3979



24.4058, 0.3825, 0.4720



24.4058, 0.1782, 0.2346



24.4058, 0.2330, 0.2107

Sweetspot

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



24.4070, 0.4658, 0.3979



72.9437, 0.3483, 0.3513



16.5470, 0.3944, 0.2372



15.1992, 0.3541, 0.3545



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.



24.4070, 0.4658, 0.3979



37.2785, 0.5087, 0.4029



43.3630, 0.4094, 0.4666



10.1940, 0.3278, 0.3389



11.4254, 0.5590, 0.3944



0.5776, 0.5174, 0.4274

Inverse Universe

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



22.4518, 0.2151, 0.2385



33.3970, 0.1993, 0.2149



10.0382, 0.1912, 0.1367



10.1024, 0.2984, 0.3189



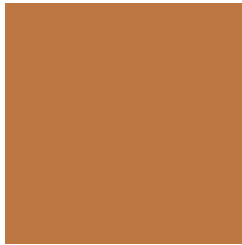
9.7846, 0.1843, 0.1833



0.5109, 0.1949, 0.2218

Previews

White Background



This preview shows how the Yxy color 24.4058, 0.4658, 0.3979 looks on a white background.

Color Contrast Check

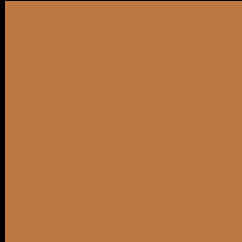
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4058, 0.4658, 0.3979 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 24.4058, 0.4658, 0.3979

Background



This preview shows how black text looks on a background with the Yxy color 24.4058, 0.4658, 0.3979.



This preview shows how white text looks on a background with the Yxy color 24.4058, 0.4658, 0.3979.

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

24.4058, 0.4658, 0.3979

Protanopia

24.5602, 0.3971, 0.4324

Deuteranopia

24.3955, 0.4330, 0.4238



Tritanopia

24.5282, 0.4069, 0.3183

Trichromacy



Original Color

24.4058, 0.4658, 0.3979

Protanomaly

24.3000, 0.4214, 0.4197

Deuteranomaly

24.2790, 0.4456, 0.4131

Tritanomaly

24.4075, 0.4313, 0.3484

Monochromacy



Original Color

24.4058, 0.4658, 0.3979

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.6747, 0.3661, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4058, 0.4658, 0.3979 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, 119, 66)` looks like.

```
.text, #text, p{  
    color:rgb(189, 119, 66)  
}
```

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, 119, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 119, 66) }
```

Border

The CSS property to change the border of an element to Yxy 24.4058, 0.4658, 0.3979 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, 119, 66) }
```

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

```
.border{ border-color:rgb(189, 119, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 119, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 119, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 119, 66);  
box-shadow:4px 4px 4px 4px rgb(189, 119,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4058, 0.4658, 0.3979 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 119, 66) }
```

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

```
.background{ background-color: rgb(189,  
119, 66) }
```

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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