

Converting Colors

$Y_{xy}(23.8469, 0.4758, 0.4036)$

Have a look what the booklet for
Yxy(23.8469, 0.4758, 0.4036)
contains.

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Color

Yxy(23.8469, 0.4758, 0.4036)

Conversions

Conversions Part 1

Format	Color
Hex	BD753A
RGB	189, 117, 58
RGB Percent	74%, 46%, 23%
CMY	0.2588, 0.5412, 0.7725
CMYK	0.00, 0.38, 0.69, 0.26
HSL	27°, 53%, 48%
HSV	27°, 69%, 74%
XYZ	28.1129, 23.8469, 7.1257
YIQ	131.8020, 61.8510, -3.0850

Conversions

Conversions Part 2

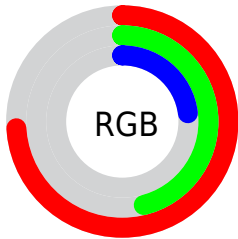
Format	Color
R_{YB}	189, 165, 58
Decimal	12416314
CIE Lab	55.93, 23.08, 43.43
CIE LCh	56, 49.179, 62.013
Yxy	23.8469, 0.4758, 0.4036
Android (android.graphics.Color)	4290606394 (0xFFBD753A)
YUV	131.8020, -36.3844, 50.1626
Hunter-Lab	48.8333, 17.3025, 25.5318

Details

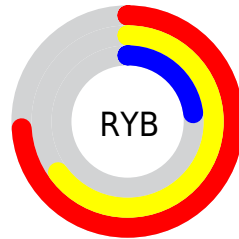
The Yxy color **23.8469, 0.4758, 0.4036** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.5447, 0.2088, 0.2268**, and the grayscale version is **23.1173, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5984, 0.4428, 0.3925**, and **8.9749, 0.5267, 0.4123** is the 20% darker color. If you saturate the color by 10%, you get **21.4015, 0.5049, 0.4066**, and if you desaturate by 10%, it is **26.6341, 0.4461, 0.3965**.

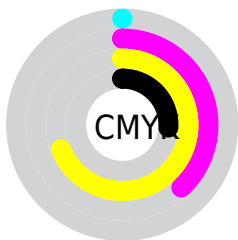
Distribution



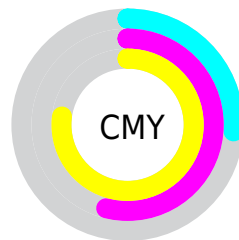
- Red (74%)
- Green (46%)
- Blue (23%)



- Red (74%)
- Yellow (65%)
- Blue (23%)



- Cyan (0%)
- Magenta (38%)
- Yellow (69%)
- Black (26%)





- Cyan (26%)
- Magenta (54%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8469, 0.4758, 0.4036 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 23.8469, 0.4758, 0.4036 by changing the saturation by 10% instead.


 23.8469, 0.4758,
0.4036


 23.8469, 0.4758,
0.4036


272.0455, 0.3876,
0.3699


 15.2201, 0.4983,
0.4088


 49.7802, 0.4429,
0.3932

 8.9740, 0.5262,
0.4125


 67.8556, 0.4307,
0.3887

 4.7242, 0.5722,
0.4198


 89.8492, 0.4205,
0.3846

 2.0864, 0.6021,
0.3979

 116.1455, 0.4119,
0.3809

 0.6570, 0.6532,
0.3468

 147.1289, 0.4045,
0.3777

 0.0000, 1.0000,
0.0000

 183.1838, 0.3981,

 0.0000, 0.0000,

0.3748

0.0000

224.6945, 0.3925,
0.3722

■ 23.8469, 0.4758,
0.4036

■ 23.8469, 0.4758,
0.4036

■ 21.4015, 0.5049,
0.4066

■ 26.6341, 0.4461,
0.3965

■ 19.2773, 0.5313,
0.4045

■ 29.7747, 0.4175,
0.3867

■ 17.4514, 0.5539,
0.3977

■ 33.2840, 0.3910,
0.3753

■ 17.3343, 0.5555,
0.3971

■ 37.1751, 0.3672,
0.3631

■ 41.4604, 0.3461,
0.3510

■ 46.1518, 0.3277,
0.3393

■ 51.2603, 0.3117,
0.3283

■ 56.7968, 0.2979,
0.3180

■ 62.7715, 0.2859,
0.3085

Harmonies

Analogous

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



23.8469, 0.4746, 0.3420



23.8469, 0.4758, 0.4036



23.8469, 0.4299, 0.4599

Triad

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



23.8469, 0.4758, 0.4036



23.8469, 0.2097, 0.3702



23.8469, 0.2518, 0.2080

Complementary

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



23.8469, 0.4758, 0.4036



20.5447, 0.2088, 0.2268

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.



23.8469, 0.1960, 0.2028



23.8469, 0.4758, 0.4036



23.8469, 0.1738, 0.2820

Square

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



23.8469, 0.4758, 0.4036



23.8469, 0.2758, 0.4563



23.8469, 0.1700, 0.2256



23.8469, 0.3333, 0.2367

Rectangle

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



23.8469, 0.4758, 0.4036



23.8469, 0.3827, 0.4840



23.8469, 0.1700, 0.2256



23.8469, 0.2299, 0.2034

Sweetspot

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



23.8481, 0.4758, 0.4036



72.6340, 0.3501, 0.3535



15.4604, 0.4100, 0.2389



15.1577, 0.3558, 0.3568



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.



23.8481, 0.4758, 0.4036



36.3467, 0.5186, 0.4062



44.7688, 0.4106, 0.4765



10.2248, 0.3277, 0.3394



11.8105, 0.5533, 0.3988



0.5933, 0.5133, 0.4306

Inverse Universe

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



20.5447, 0.2088, 0.2268



29.9467, 0.1932, 0.2006



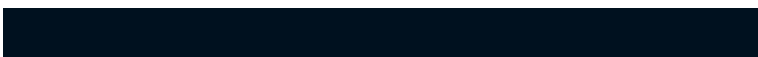
8.3049, 0.1823, 0.1183



10.0712, 0.2984, 0.3184



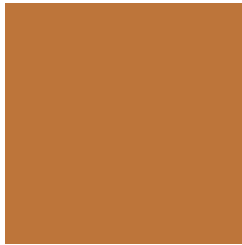
9.2732, 0.1824, 0.1765



0.4922, 0.1935, 0.2166

Previews

White Background



This preview shows how the Yxy color 23.8469, 0.4758, 0.4036 looks on a white background.

Color Contrast Check

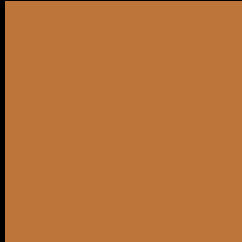
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8469, 0.4758, 0.4036 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

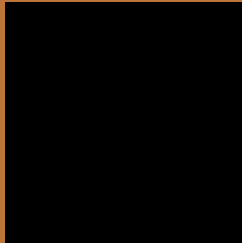
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 23.8469, 0.4758, 0.4036

Background



This preview shows how black text looks on a background with the Yxy color 23.8469, 0.4758, 0.4036.



This preview shows how white text looks on a background with the Yxy color 23.8469, 0.4758, 0.4036.

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

23.8469, 0.4758, 0.4036

Protanopia

24.0764, 0.4049, 0.4440

Deuteranopia

23.9297, 0.4408, 0.4333



Tritanopia

23.7973, 0.4126, 0.3184

Trichromacy



Original Color

23.8469, 0.4758, 0.4036

Protanomaly

23.6678, 0.4319, 0.4283

Deuteranomaly

23.8148, 0.4539, 0.4222

Tritanomaly

23.8613, 0.4394, 0.3524

Monochromacy



Original Color

23.8469, 0.4758, 0.4036

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.9710, 0.3705, 0.3657

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8469, 0.4758, 0.4036 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, 58)` looks like.

```
.text, #text, p{  
    color:rgb(189, 117, 58)  
}
```

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, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 117, 58) }
```

Border

The CSS property to change the border of an element to Yxy 23.8469, 0.4758, 0.4036 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, 58) }
```

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

```
.border{ border-color:rgb(189, 117, 58) }
```

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, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 117, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 117, 58);  
box-shadow:4px 4px 4px 4px rgb(189, 117,  
58) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 23.8469, 0.4758, 0.4036$ 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, 58) }
```

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

```
.background{ background-color: rgb(189,  
117, 58) }
```

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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