

Converting Colors

$Yxy(23.3809, 0.4736, 0.3967)$

Have a look what the booklet for
Yxy(23.3809, 0.4736, 0.3967)
contains.

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Color

Yxy(23.4281, 0.4742, 0.3970)

Conversions

Conversions Part 1

Format	Color
Hex	BD733E
RGB	189, 115, 62
RGB Percent	74%, 45%, 24%
CMY	0.2589, 0.5490, 0.7570
CMYK	0.00, 0.39, 0.67, 0.26
HSL	25°, 51%, 49%
HSV	25°, 67%, 74%
XYZ	27.9839, 23.4281, 7.6009
YIQ	131.0840, 61.1170, -0.7950

Conversions

Conversions Part 2

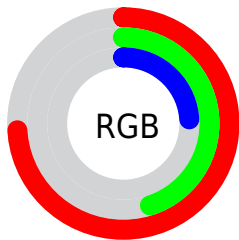
Format	Color
R _Y B	189, 153, 62
Decimal	12415806
CIE Lab	55.51, 24.39, 40.94
CIE LCh	56, 47.660, 59.214
Yxy	23.4281, 0.4742, 0.3970
Android (android.graphics.Color)	4290605886 (0xFFBD733E)
YUV	131.0840, -34.0584, 50.7923
Hunter-Lab	48.4026, 18.4950, 24.5713

Details

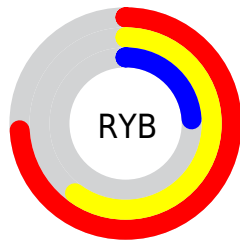
The Yxy color **23.4281, 0.4742, 0.3970** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **22.2915, 0.2132, 0.2380**, and the grayscale version is **22.8364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.9249, 0.4417, 0.3876**, and **8.7534, 0.5261, 0.4044** is the 20% darker color. If you saturate the color by 10%, you get **20.8941, 0.5052, 0.4003**, and if you desaturate by 10%, it is **26.3364, 0.4432, 0.3900**.

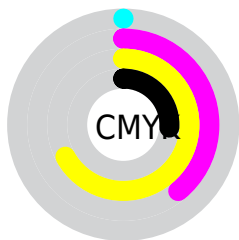
Distribution



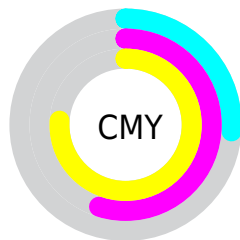
- Red (74%)
- Green (45%)
- Blue (24%)



- Red (74%)
- Yellow (60%)
- Blue (24%)



- Cyan (0%)
- Magenta (39%)
- Yellow (67%)
- Black (26%)



- Cyan (26%)
- Magenta (55%)
- Yellow (76%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 23.4281, 0.4742, 0.3970 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 23.4281, 0.4742, 0.3970 by changing the saturation by 10% instead.


 23.4281, 0.4742,
0.3970


 23.4281, 0.4742,
0.3970


 269.9162, 0.3861,
0.3664


 14.9099, 0.4971,
0.4017


 49.0953, 0.4411,
0.3876


 8.7562, 0.5261,
0.4049


 67.0132, 0.4289,
0.3834


 4.5825, 0.5713,
0.4097

 88.8330, 0.4187,
0.3797

 2.0045, 0.6094,
0.3906

 114.9393, 0.4101,
0.3764

 0.6101, 0.6669,
0.3331

 145.7163, 0.4028,
0.3735

 0.0000, 1.0000,
0.0000

 181.5486, 0.3965,

 0.0000, 0.0000,

0.3708

0.0000

222.8204, 0.3910,
0.3685

■ 23.4281, 0.4742,
0.3970

■ 23.4281, 0.4742,
0.3970

■ 20.8941, 0.5052,
0.4003

■ 26.3364, 0.4432,
0.3900

■ 18.7125, 0.5339,
0.3986

■ 29.6321, 0.4138,
0.3805

■ 16.8622, 0.5584,
0.3919

■ 33.3320, 0.3869,
0.3697

■ 16.3973, 0.5649,
0.3896

■ 37.4505, 0.3631,
0.3584

■ 42.0013, 0.3422,
0.3471

■ 46.9975, 0.3242,
0.3364

■ 52.4514, 0.3086,
0.3262

■ 58.3749, 0.2952,
0.3169

■ 64.7795, 0.2837,
0.3082

Harmonies

Analogous

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



23.4281, 0.4677, 0.3366



23.4281, 0.4742, 0.3970



23.4281, 0.4332, 0.4529

Triad

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



23.4281, 0.4742, 0.3970



23.4281, 0.2170, 0.3779



23.4281, 0.2470, 0.2089

Complementary

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



23.4281, 0.4742, 0.3970



22.2915, 0.2132, 0.2380

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.



23.4281, 0.1949, 0.2063



23.4281, 0.4742, 0.3970



23.4281, 0.1786, 0.2904

Square

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



23.4281, 0.4742, 0.3970



23.4281, 0.2841, 0.4583



23.4281, 0.1720, 0.2317



23.4281, 0.3249, 0.2351

Rectangle

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



23.4281, 0.4742, 0.3970



23.4281, 0.3886, 0.4781



23.4281, 0.1720, 0.2317



23.4281, 0.2264, 0.2052

Sweetspot

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



23.4293, 0.4742, 0.3970



72.6124, 0.3484, 0.3506



16.0394, 0.3983, 0.2353



15.1200, 0.3542, 0.3537



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.



23.4293, 0.4742, 0.3970



35.3607, 0.5203, 0.4001



43.1667, 0.4118, 0.4697



10.1734, 0.3278, 0.3386



11.1779, 0.5627, 0.3914



0.5673, 0.5202, 0.4251

Inverse Universe

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



22.2915, 0.2132, 0.2380



33.0137, 0.1975, 0.2136



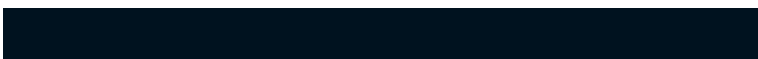
9.4044, 0.1874, 0.1303



10.1235, 0.2984, 0.3192



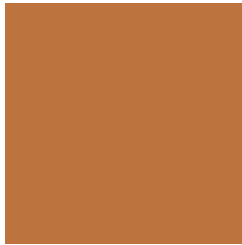
10.1405, 0.1855, 0.1879



0.5237, 0.1959, 0.2252

Previews

White Background



This preview shows how the Yxy color 23.4281, 0.4742, 0.3970 looks on a white background.

Color Contrast Check

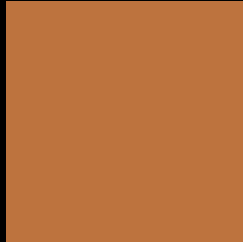
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.4281, 0.4742, 0.3970 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 23.4281, 0.4742, 0.3970

Background



This preview shows how black text looks on a background with the Yxy color 23.4281, 0.4742, 0.3970.



This preview shows how white text looks on a background with the Yxy color 23.4281, 0.4742, 0.3970.

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

23.4281, 0.4742, 0.3970

Protanopia

23.6706, 0.3988, 0.4370

Deuteranopia

23.4938, 0.4360, 0.4287



Tritanopia

23.4281, 0.4133, 0.3183

Trichromacy



Original Color

23.4281, 0.4742, 0.3970

Protanomaly

23.2535, 0.4258, 0.4218

Deuteranomaly

23.4908, 0.4502, 0.4171

Tritanomaly

23.3083, 0.4384, 0.3484

Monochromacy



Original Color

23.4281, 0.4742, 0.3970

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.3832, 0.3690, 0.3609

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.4281, 0.4742, 0.3970 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, 115, 62)` looks like.

```
.text, #text, p{  
    color:rgb(189, 115, 62)  
}
```

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, 115, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 115, 62) }
```

Border

The CSS property to change the border of an element to Yxy 23.4281, 0.4742, 0.3970 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, 115, 62) }
```

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

```
.border{ border-color:rgb(189, 115, 62) }
```

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

Here you see how a box with a 4 pixel rgb(189, 115, 62) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 115, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 115, 62);  
box-shadow:4px 4px 4px 4px rgb(189, 115,  
62) }
```


Background

The CSS property to change the background color of an element to Yxy 23.4281, 0.4742, 0.3970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 115, 62) }
```

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

```
.background{ background-color: rgb(189,  
115, 62) }
```

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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