

Converting Colors

$Y_{xy}(22.4589, 0.4748, 0.3891)$

Have a look what the booklet for
Yxy(22.4589, 0.4748, 0.3891)
contains.

Yxy(22.4419, 0.4744, 0.3889)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.4419, 0.4744, 0.3889)

Conversions

Conversions Part 1

Format	Color
Hex	BC6F41
RGB	188, 111, 65
RGB Percent	74%, 44%, 25%
CMY	0.2628, 0.5647, 0.7451
CMYK	0.00, 0.41, 0.65, 0.26
HSL	22°, 49%, 50%
HSV	22°, 65%, 74%
XYZ	27.3758, 22.4419, 7.8884
YIQ	128.7790, 60.6580, 2.0180

Conversions

Conversions Part 2

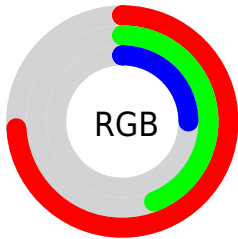
Format	Color
RYB	188, 138, 65
Decimal	12349249
CIELab	54.49, 26.35, 38.16
CIElCh	54, 46.378, 55.373
Yxy	22.4419, 0.4744, 0.3889
Android (android.graphics.Color)	4290539329 (0xFFBC6F41)
YUV	128.7790, -31.4430, 51.9368
Hunter-Lab	47.3729, 20.2488, 23.2882

Details

The Yxy color **22.4419, 0.4744, 0.3889** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **24.0914, 0.2177, 0.2506**, and the grayscale version is **21.9684, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.3657, 0.4409, 0.3808**, and **8.2347, 0.5293, 0.3949** is the 20% darker color. If you saturate the color by 10%, you get **19.8593, 0.5077, 0.3920**, and if you desaturate by 10%, it is **25.4376, 0.4417, 0.3824**.

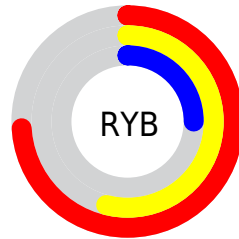
Distribution



Red (74%)

Green (44%)

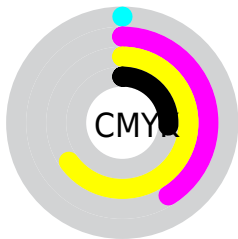
Blue (25%)



Red (74%)

Yellow (54%)

Blue (25%)

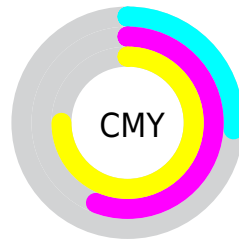


Cyan (0%)

Magenta (41%)

Yellow (65%)

Black (26%)



Cyan (26%)

Magenta (56%)

Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.4419, 0.4744, 0.3889 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 22.4419, 0.4744, 0.3889 by changing the saturation by 10% instead.


 22.4419, 0.4744,
0.3889


 22.4419, 0.4744,
0.3889


264.8454, 0.3851,
0.3622


 14.1820, 0.4983,
0.3927


 47.4753, 0.4404,
0.3808

 8.2473, 0.5289,
0.3949


 65.0175, 0.4281,
0.3772


 4.2536, 0.5760,
0.3974

 86.4226, 0.4178,
0.3740

 1.8164, 0.6219,
0.3781

 112.0750, 0.4092,
0.3711

 0.4974, 0.6975,
0.3025

 142.3591, 0.4018,
0.3685

 0.0000, 1.0000,
0.0000

 177.6593, 0.3955,

 0.0000, 0.0000,

0.3662

0.0000

218.3599, 0.3900,
0.3641

■ 22.4419, 0.4744,
0.3889

■ 22.4419, 0.4744,
0.3889

■ 19.8593, 0.5077,
0.3920

■ 25.4376, 0.4417,
0.3824

■ 17.6656, 0.5391,
0.3905

■ 28.8617, 0.4112,
0.3736

■ 15.8387, 0.5659,
0.3839

■ 32.7330, 0.3838,
0.3638

■ 15.1126, 0.5770,
0.3800

■ 37.0679, 0.3598,
0.3536

■ 41.8819, 0.3391,
0.3435

■ 47.1899, 0.3213,
0.3339

■ 53.0060, 0.3061,
0.3250

■ 59.3436, 0.2931,
0.3167

■ 66.2157, 0.2820,
0.3091

Harmonies

Analogous

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



22.4419, 0.4610, 0.3292



22.4419, 0.4744, 0.3889



22.4419, 0.4392, 0.4454

Triad

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



22.4419, 0.4744, 0.3889



22.4419, 0.2254, 0.3890



22.4419, 0.2396, 0.2084

Complementary

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



22.4419, 0.4744, 0.3889



24.0914, 0.2177, 0.2506

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.



22.4419, 0.1916, 0.2092



22.4419, 0.4744, 0.3889



22.4419, 0.1832, 0.3008

Square

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



22.4419, 0.4744, 0.3889



22.4419, 0.2944, 0.4633



22.4419, 0.1726, 0.2384



22.4419, 0.3140, 0.2316

Rectangle

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



22.4419, 0.4744, 0.3889



22.4419, 0.3971, 0.4729



22.4419, 0.1726, 0.2384



22.4419, 0.2204, 0.2059

Sweetspot

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



22.4431, 0.4744, 0.3889



71.5280, 0.3488, 0.3484



16.4497, 0.3847, 0.2295



14.8612, 0.3548, 0.3512



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.



22.4431, 0.4744, 0.3889



33.9755, 0.5234, 0.3919



40.4213, 0.4148, 0.4611



10.1055, 0.3279, 0.3376



10.4229, 0.5748, 0.3818



0.5349, 0.5295, 0.4178

Inverse Universe

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



24.0914, 0.2177, 0.2506



36.9689, 0.2026, 0.2292



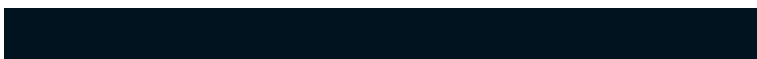
10.6972, 0.1928, 0.1449



10.1932, 0.2985, 0.3202



11.3858, 0.1898, 0.2031



0.5677, 0.1991, 0.2367

Previews

White Background



This preview shows how the Yxy color 22.4419, 0.4744, 0.3889 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 22.4419, 0.4744, 0.3889 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

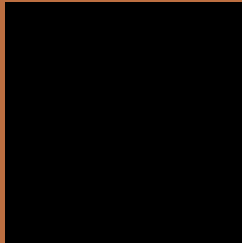
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.4419, 0.4744, 0.3889

Background



This preview shows how black text looks on a background with the Yxy color 22.4419, 0.4744, 0.3889.



This preview shows how white text looks on a background with the Yxy color 22.4419, 0.4744, 0.3889.

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

22.4419, 0.4744, 0.3889

Protanopia

22.6298, 0.3936, 0.4284

Deuteranopia

22.5921, 0.4304, 0.4246



Tritanopia

22.3718, 0.4200, 0.3183

Trichromacy



Original Color

22.4419, 0.4744, 0.3889

Protanomaly

22.3186, 0.4231, 0.4146

Deuteranomaly

22.4497, 0.4470, 0.4111

Tritanomaly

22.3071, 0.4416, 0.3444

Monochromacy



Original Color

22.4419, 0.4744, 0.3889

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.4437, 0.3678, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.4419, 0.4744, 0.3889 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(188, 111, 65)` looks like.

```
.text, #text, p{  
    color:rgb(188, 111, 65)  
}
```

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(188, 111, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 111, 65) }
```

Border

The CSS property to change the border of an element to Yxy 22.4419, 0.4744, 0.3889 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(188, 111, 65) }
```

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

```
.border{ border-color:rgb(188, 111, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 111, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 111, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 111, 65);  
box-shadow:4px 4px 4px 4px rgb(188, 111,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 22.4419, 0.4744, 0.3889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 111, 65) }
```

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

```
.background{ background-color: rgb(188,  
111, 65) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor