

Converting Colors

$Y_{xy}(22.2110, 0.4709, 0.3790)$

Have a look what the booklet for
Yxy(22.2110, 0.4709, 0.3790)
contains.

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Color

Yxy(22.2110, 0.4709, 0.3790)

Conversions

Conversions Part 1

Format	Color
Hex	BD6D47
RGB	189, 109, 71
RGB Percent	74%, 43%, 28%
CMY	0.2587, 0.5726, 0.7215
CMYK	0.00, 0.42, 0.62, 0.26
HSL	19°, 47%, 51%
HSV	19°, 62%, 74%
XYZ	27.5967, 22.2110, 8.7965
YIQ	128.5880, 59.8780, 5.1420

Conversions

Conversions Part 2

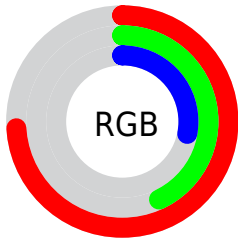
Format	Color
RYB	189, 127, 71
Decimal	12414279
CIELab	54.25, 28.29, 34.66
CIELCh	54, 44.738, 50.784
Yxy	22.2110, 0.4709, 0.3790
Android (android.graphics.Color)	4290604359 (0xFFBD6D47)
YUV	128.5880, -28.3909, 52.9813
Hunter-Lab	47.1285, 22.0480, 21.9236

Details

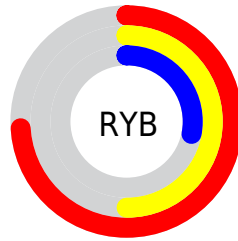
The Yxy color **22.2110, 0.4709, 0.3790** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **27.1638, 0.2237, 0.2657**, and the grayscale version is **21.8875, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9855, 0.4377, 0.3726**, and **8.1272, 0.5265, 0.3837** is the 20% darker color. If you saturate the color by 10%, you get **19.4677, 0.5067, 0.3822**, and if you desaturate by 10%, it is **25.4310, 0.4365, 0.3729**.

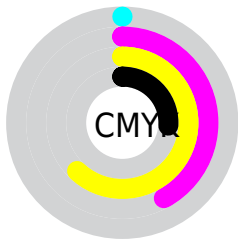
Distribution



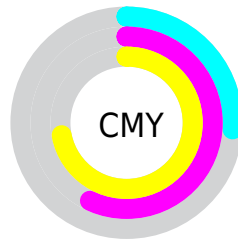
- Red (74%)
- Green (43%)
- Blue (28%)



- Red (74%)
- Yellow (50%)
- Blue (28%)



- Cyan (0%)
- Magenta (42%)
- Yellow (62%)
- Black (26%)





- Cyan (26%)
- Magenta (57%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.2110, 0.4709, 0.3790 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 22.2110, 0.4709, 0.3790 by changing the saturation by 10% instead.


 22.2110, 0.4709,
0.3790


 22.2110, 0.4709,
0.3790


263.6462, 0.3828,
0.3571


 14.0120, 0.4950,
0.3819


 47.0945, 0.4370,
0.3725

 8.1290, 0.5265,
0.3833


 64.5478, 0.4248,
0.3696

 4.1776, 0.5718,
0.3824

 85.8546, 0.4148,
0.3669

 1.7734, 0.6314,
0.3686

 111.3995, 0.4063,
0.3645

 0.4705, 0.7138,
0.2862

 141.5666, 0.3991,
0.3623

 0.0000, 1.0000,
0.0000

176.7405, 0.3929,

 0.0000, 0.0000,

0.3604

0.0000

217.3056, 0.3875,
0.3587

■ 22.2110, 0.4709,
0.3790

■ 22.2110, 0.4709,
0.3790

■ 19.4677, 0.5067,
0.3822

■ 25.4310, 0.4365,
0.3729

■ 17.1732, 0.5414,
0.3812

■ 29.1468, 0.4052,
0.3651

■ 15.3015, 0.5717,
0.3755

■ 33.3803, 0.3777,
0.3564

■ 14.1407, 0.5910,
0.3689

■ 38.1514, 0.3539,
0.3476

■ 43.4785, 0.3336,
0.3390

■ 49.3793, 0.3165,
0.3309

■ 55.8706, 0.3019,
0.3234

■ 62.9686, 0.2896,
0.3164

■ 70.6888, 0.2792,
0.3101

Harmonies

Analogous

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



22.2110, 0.4498, 0.3210



22.2110, 0.4709, 0.3790



22.2110, 0.4435, 0.4350

Triad

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



22.2110, 0.4709, 0.3790



22.2110, 0.2370, 0.4001



22.2110, 0.2328, 0.2101

Complementary

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



22.2110, 0.4709, 0.3790



27.1638, 0.2237, 0.2657

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.



22.2110, 0.1902, 0.2150



22.2110, 0.4709, 0.3790



22.2110, 0.1911, 0.3141

Square

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



22.2110, 0.4709, 0.3790



22.2110, 0.3069, 0.4651



22.2110, 0.1760, 0.2485



22.2110, 0.3018, 0.2294

Rectangle

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



22.2110, 0.4709, 0.3790



22.2110, 0.4054, 0.4639



22.2110, 0.1760, 0.2485



22.2110, 0.2155, 0.2089

Sweetspot

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



22.2122, 0.4709, 0.3790



71.1843, 0.3472, 0.3449



17.5859, 0.3708, 0.2257



14.7412, 0.3533, 0.3473



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.



22.2122, 0.4709, 0.3790



33.2167, 0.5201, 0.3824



39.0564, 0.4155, 0.4506



10.0242, 0.3280, 0.3364



9.6362, 0.5887, 0.3708



0.4989, 0.5408, 0.4088

Inverse Universe

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



27.1638, 0.2237, 0.2657



42.5775, 0.2098, 0.2490



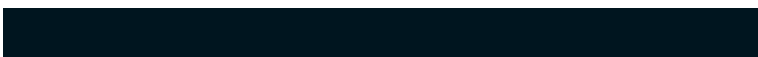
12.7829, 0.2003, 0.1634



10.2777, 0.2985, 0.3214



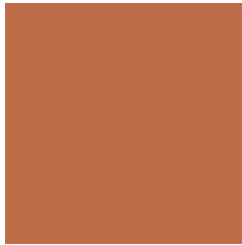
13.0340, 0.1949, 0.2217



0.6241, 0.2029, 0.2504

Previews

White Background



This preview shows how the Yxy color 22.2110, 0.4709, 0.3790 looks on a white background.

Color Contrast Check

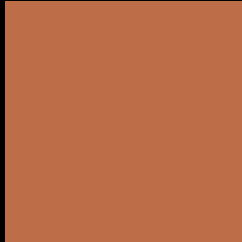
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2110, 0.4709, 0.3790 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 22.2110, 0.4709, 0.3790

Background



This preview shows how black text looks on a background with the Yxy color 22.2110, 0.4709, 0.3790.



This preview shows how white text looks on a background with the Yxy color 22.2110, 0.4709, 0.3790.

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

22.2110, 0.4709, 0.3790

Protanopia

22.2806, 0.3845, 0.4169

Deuteranopia

22.3062, 0.4242, 0.4159



Tritanopia

22.2548, 0.4247, 0.3198

Trichromacy



Original Color

22.2110, 0.4709, 0.3790

Protanomaly

21.8118, 0.4160, 0.4022

Deuteranomaly

22.2812, 0.4417, 0.4023

Tritanomaly

22.2290, 0.4435, 0.3429

Monochromacy



Original Color

22.2110, 0.4709, 0.3790

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5811, 0.3666, 0.3527

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.2110, 0.4709, 0.3790 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, 109, 71)` looks like.

```
.text, #text, p{  
    color:rgb(189, 109, 71)  
}
```

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, 109, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 109, 71) }
```

Border

The CSS property to change the border of an element to Yxy 22.2110, 0.4709, 0.3790 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, 109, 71) }
```

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

```
.border{ border-color:rgb(189, 109, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(189, 109, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 109, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 109, 71);  
box-shadow:4px 4px 4px 4px rgb(189, 109,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 22.2110, 0.4709, 0.3790 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 109, 71) }
```

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

```
.background{ background-color: rgb(189,  
109, 71) }
```

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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