

# Converting Colors

$Yxy(22.8924, 0.4333, 0.3462)$

Have a look what the booklet for  
Yxy(22.8924, 0.4333, 0.3462)  
contains.

|   |    |
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**Color**

**Yxy(22.9421, 0.4335, 0.3474)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>               |
|---------------|----------------------------|
| Hex           | BC6F62                     |
| RGB           | 188, 111, 98               |
| RGB Percent   | 74%, 44%, 38%              |
| CMY           | 0.2627, 0.5647, 0.6158     |
| CMYK          | 0.00, 0.41, 0.48, 0.26     |
| HSL           | 9°, 40%, 56%               |
| HSV           | 9°, 48%, 74%               |
| XYZ           | 28.6281, 22.9421, 14.4692  |
| YIQ           | 132.5410, 50.0650, 12.2810 |

# Conversions

## Conversions Part 2

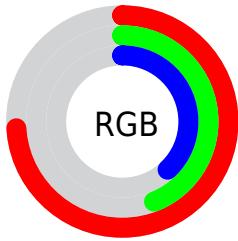
| Format                              | Color  |
|-------------------------------------|--|
| <a href="#">RYB</a>                 | <a href="#">188, 113, 98</a>                                 |
| Decimal                             | <a href="#">12349282</a>                                     |
| CIELab                              | <a href="#">55.01, 29.07, 20.37</a>                          |
| CIElCh                              | <a href="#">55, 35.502, 35.024</a>                           |
| Yxy                                 | <a href="#">22.9421, 0.4335, 0.3474</a>                      |
| Android<br>(android.graphics.Color) | <a href="#">4290539362</a><br>( <a href="#">0xFFBC6F62</a> ) |
| YUV                                 | <a href="#">132.5410, -17.0287, 48.6375</a>                  |
| Hunter-Lab                          | <a href="#">47.8979, 22.8663, 15.6179</a>                    |

# Details

The Yxy color **22.9421, 0.4335, 0.3474** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **36.8782, 0.2464, 0.3087**, and the grayscale version is **23.3296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.4950, 0.4066, 0.3456**, and **8.5096, 0.4797, 0.3495** is the 20% darker color. If you saturate the color by 10%, you get **19.4298, 0.4731, 0.3503**, and if you desaturate by 10%, it is **27.1718, 0.3989, 0.3437**.

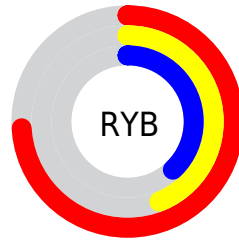
# Distribution



Red (74%)

Green (44%)

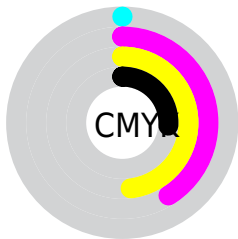
Blue (38%)



Red (74%)

Yellow (44%)

Blue (38%)

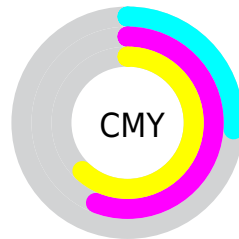


Cyan (0%)

Magenta (41%)

Yellow (48%)

Black (26%)



Cyan (26%)

Magenta (56%)


Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9421, 0.4335, 0.3474 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 22.9421, 0.4335, 0.3474 by changing the saturation by 10% instead.





 22.9421, 0.4335,  
0.3474


 22.9421, 0.4335,  
0.3474

267.4275, 0.3655,  
0.3400


 14.5508, 0.4532,  
0.3481


 48.2982, 0.4068,  
0.3454


 8.5047, 0.4801,  
0.3480


 66.0318, 0.3974,  
0.3444

 4.4196, 0.5187,  
0.3456

 87.6483, 0.3897,  
0.3435

 1.9109, 0.5881,  
0.3428

 113.5320, 0.3832,  
0.3427

 0.5549, 0.7012,  
0.2988

144.0674, 0.3778,  
0.3419

 0.0000, 1.0000,  
0.0000

179.6388, 0.3731,


 0.0000, 0.0000,


0.3412


0.0000


220.6307, 0.3690,  
0.3406


 22.9421, 0.4335,  
0.3474


 22.9421, 0.4335,  
0.3474


 19.4298, 0.4731,  
0.3503


 27.1718, 0.3989,  
0.3437


 16.5917, 0.5160,  
0.3516


 32.1521, 0.3698,  
0.3397


 14.3850, 0.5586,  
0.3507


 37.9184, 0.3456,  
0.3357


 12.7607, 0.5956,  
0.3471

 44.5029, 0.3258,  
0.3318

 11.6600, 0.6221,  
0.3415


 51.9357, 0.3095,  
0.3283

 11.4851, 0.6267,  
0.3406

 60.2456, 0.2962,  
0.3250

 69.4601, 0.2852,  
0.3220

 79.6052, 0.2760,  
0.3194

 89.4319, 0.2742,  
0.3289

# Harmonies

## Analogous

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



22.9421, 0.3965, 0.3005



22.9421, 0.4335, 0.3474



22.9421, 0.4331, 0.3948

# Triad

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



22.9421, 0.4335, 0.3474



22.9421, 0.2818, 0.4137



22.9421, 0.2273, 0.2320

# Complementary

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



22.9421, 0.4335, 0.3474



36.8782, 0.2464, 0.3087

# 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.



22.9421, 0.2039, 0.2494



22.9421, 0.4335, 0.3474



22.9421, 0.2323, 0.3532

# Square

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



22.9421, 0.4335, 0.3474



22.9421, 0.3427, 0.4433



22.9421, 0.2053, 0.2913



22.9421, 0.2735, 0.2372



# Rectangle

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



22.9421, 0.4335, 0.3474



22.9421, 0.4131, 0.4218



22.9421, 0.2053, 0.2913



22.9421, 0.2168, 0.2351

# Sweetspot

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



22.9433, 0.4335, 0.3474



72.9052, 0.3379, 0.3342



22.5580, 0.3321, 0.2274



15.1405, 0.3424, 0.3351



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.



22.9433, 0.4335, 0.3474



35.1841, 0.4733, 0.3503



35.0144, 0.4023, 0.4064



9.7532, 0.3285, 0.3324



7.8871, 0.6251, 0.3418



0.3812, 0.5869, 0.3722



# Inverse Universe

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



36.8782, 0.2464, 0.3087



63.2398, 0.2360, 0.3037



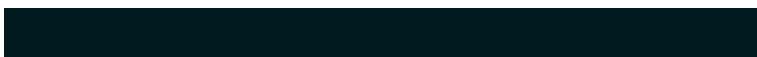
22.4560, 0.2329, 0.2353



10.5678, 0.2985, 0.3256



19.8628, 0.2120, 0.2830



0.8433, 0.2153, 0.2951



# Previews

## White Background



This preview shows how the Yxy color 22.9421, 0.4335, 0.3474 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

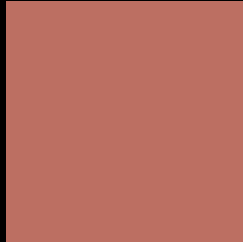
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the Yxy color 22.9421, 0.4335, 0.3474 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 22.9421, 0.4335, 0.3474**

## Background



This preview shows how black text looks on a background with the Yxy color 22.9421, 0.4335, 0.3474.



This preview shows how white text looks on a background with the Yxy color 22.9421, 0.4335, 0.3474.

# 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

22.9421, 0.4335, 0.3474

### Protanopia

23.1607, 0.3487, 0.3709

### Deuteranopia

23.1731, 0.3876, 0.3812



## Tritanopia

22.8049, 0.4116, 0.3182

# Trichromacy



## Original Color

22.9421, 0.4335, 0.3474

## Protanomaly

22.5829, 0.3784, 0.3619

## Deuteranomaly

22.8441, 0.4042, 0.3679

## Tritanomaly

22.8602, 0.4209, 0.3293

# Monochromacy



## Original Color

22.9421, 0.4335, 0.3474

## Achromatopsia

23.4551, 0.3127, 0.3290

## Achromatomaly

22.7956, 0.3531, 0.3374

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 22.9421, 0.4335, 0.3474 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(188, 111, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 111, 98) }
```

## Border

The CSS property to change the border of an element to Yxy 22.9421, 0.4335, 0.3474 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, 98) }
```

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

```
.border{ border-color:rgb(188, 111, 98) }
```

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, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 111, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 111, 98);  
box-shadow:4px 4px 4px 4px rgb(188, 111,  
98) }
```



# Background

The CSS property to change the background color of an element to Yxy 22.9421, 0.4335, 0.3474 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, 98) }
```

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

```
.background{ background-color: rgb(188,  
111, 98) }
```

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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