

Converting Colors

$Y_{xy}(22.9073, 0.4216, 0.3312)$

Have a look what the booklet for
Yxy(22.9073, 0.4216, 0.3312)
contains.

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Color

Yxy(22.8388, 0.4223, 0.3307)

Conversions

Conversions Part 1

Format	Color
Hex	BD6D6C
RGB	189, 109, 108
RGB Percent	74%, 43%, 42%
CMY	0.2588, 0.5726, 0.5765
CMYK	0.00, 0.42, 0.43, 0.26
HSL	1°, 38%, 58%
HSV	1°, 43%, 74%
XYZ	29.1649, 22.8388, 17.0583
YIQ	132.8060, 48.0010, 16.6490

Conversions

Conversions Part 2

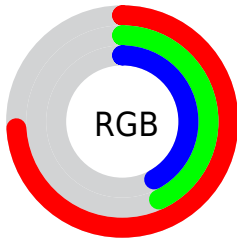
Format	Color
R_{YB}	189, 109, 108
Decimal	12414316
CIE _{Lab}	54.91, 31.61, 14.43
CIE _{LCh}	55, 34.754, 24.540
Yxy	22.8388, 0.4223, 0.3307
Android (android.graphics.Color)	4290604396 (0xFFBD6D6C)
YUV	132.8060, -12.2294, 49.2821
Hunter-Lab	47.7900, 25.3011, 12.2898

Details

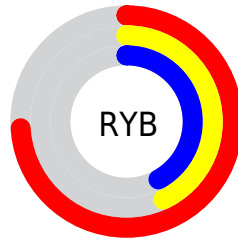
The Yxy color **22.8388, 0.4223, 0.3307** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **42.8391, 0.2549, 0.3274**, and the grayscale version is **23.4138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.3003, 0.3985, 0.3325**, and **8.4514, 0.4657, 0.3258** is the 20% darker color. If you saturate the color by 10%, you get **18.9113, 0.4636, 0.3311**, and if you desaturate by 10%, it is **27.7018, 0.3874, 0.3303**.

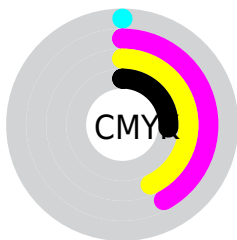
Distribution



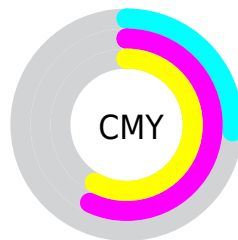
- Red (74%)
- Green (43%)
- Blue (42%)



- Red (74%)
- Yellow (43%)
- Blue (42%)



- Cyan (0%)
- Magenta (42%)
- Yellow (43%)
- Black (26%)





- Cyan (26%)
- Magenta (57%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.8388, 0.4223, 0.3307 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 22.8388, 0.4223, 0.3307 by changing the saturation by 10% instead.


 22.8388, 0.4223,
0.3307


 22.8388, 0.4223,
0.3307


266.8960, 0.3605,
0.3318

 14.4745, 0.4404,
0.3294


 48.1285, 0.3979,
0.3317


 8.4514, 0.4654,
0.3270


 65.8227, 0.3894,
0.3319

 4.3851, 0.5018,
0.3219

 87.3957, 0.3824,
0.3320

 1.8913, 0.5597,
0.3109

 113.2318, 0.3765,
0.3320

 0.5431, 0.7163,
0.2837

143.7156, 0.3716,
0.3320

 0.0000, 1.0000,
0.0000

179.2312, 0.3673,

 0.0000, 0.0000,

0.3319

0.0000

220.1632, 0.3637,
0.3319

■ 22.8388, 0.4223,
0.3307

■ 22.8388, 0.4223,
0.3307

■ 18.9113, 0.4636,
0.3311

■ 27.7018, 0.3874,
0.3303

■ 15.8561, 0.5098,
0.3313

■ 33.5512, 0.3588,
0.3299

■ 13.6076, 0.5569,
0.3314


■ 40.4386, 0.3358,
0.3295


■ 12.0897, 0.5982,
0.3312


■ 48.4108, 0.3173,
0.3291


■ 11.2116, 0.6267,
0.3307

■ 57.5117, 0.3025,
0.3288

 10.8714, 0.6392,
0.3307

 67.7831, 0.2905,
0.3285

 79.2643, 0.2809,
0.3282

 89.5610, 0.2747,
0.3289

Harmonies

Analogous

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



22.8388, 0.3756, 0.2865



22.8388, 0.4223, 0.3307



22.8388, 0.4352, 0.3780

Triad

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



22.8388, 0.4223, 0.3307



22.8388, 0.3029, 0.4266



22.8388, 0.2180, 0.2370

Complementary

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



22.8388, 0.4223, 0.3307



42.8391, 0.2549, 0.3274

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.



22.8388, 0.2034, 0.2626



22.8388, 0.4223, 0.3307



22.8388, 0.2487, 0.3751

Square

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



22.8388, 0.4223, 0.3307



22.8388, 0.3628, 0.4413



22.8388, 0.2136, 0.3118



22.8388, 0.2561, 0.2346

Rectangle

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



22.8388, 0.4223, 0.3307



22.8388, 0.4232, 0.4071



22.8388, 0.2136, 0.3118



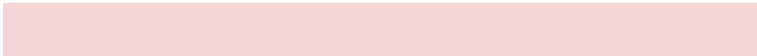
22.8388, 0.2104, 0.2428

Sweetspot

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



22.8399, 0.4223, 0.3307



71.9526, 0.3365, 0.3295



25.2211, 0.3176, 0.2254



14.8542, 0.3412, 0.3296



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.



22.8399, 0.4223, 0.3307



34.5243, 0.4590, 0.3310



33.2435, 0.3978, 0.3847



9.5546, 0.3288, 0.3293



7.3214, 0.6390, 0.3308



0.2933, 0.6348, 0.3342

Inverse Universe

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



42.8391, 0.2549, 0.3274



74.8311, 0.2461, 0.3270



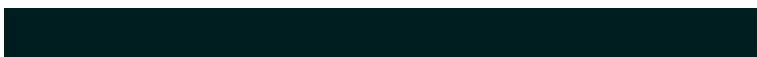
28.2028, 0.2446, 0.2649



10.7889, 0.2985, 0.3287



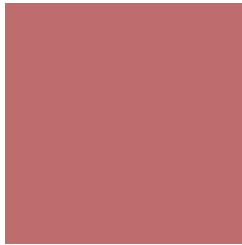
26.3023, 0.2236, 0.3251



1.0368, 0.2239, 0.3260

Previews

White Background



This preview shows how the Yxy color 22.8388, 0.4223, 0.3307 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 22.8388, 0.4223, 0.3307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

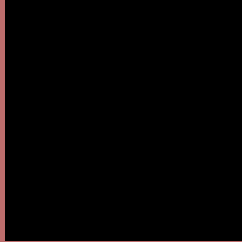
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.8388, 0.4223, 0.3307

Background



This preview shows how black text looks on a background with the Yxy color 22.8388, 0.4223, 0.3307.



This preview shows how white text looks on a background with the Yxy color 22.8388, 0.4223, 0.3307.

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

22.8388, 0.4223, 0.3307

Protanopia

22.8829, 0.3329, 0.3501

Deuteranopia

23.0687, 0.3718, 0.3655



Tritanopia

22.9332, 0.4128, 0.3182

Trichromacy



Original Color

22.8388, 0.4223, 0.3307

Protanomaly

22.4716, 0.3638, 0.3423

Deuteranomaly

22.6890, 0.3908, 0.3511

Tritanomaly

22.8645, 0.4171, 0.3224

Monochromacy



Original Color

22.8388, 0.4223, 0.3307

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

22.6428, 0.3486, 0.3291

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.8388, 0.4223, 0.3307 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, 108)` looks like.

```
.text, #text, p{  
    color:rgb(189, 109, 108)  
}
```

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, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 109, 108) }
```

Border

The CSS property to change the border of an element to Yxy 22.8388, 0.4223, 0.3307 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, 108) }
```

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

```
.border{ border-color:rgb(189, 109, 108) }
```

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, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 109, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 109, 108);  
box-shadow:4px 4px 4px 4px rgb(189, 109,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 22.8388, 0.4223, 0.3307 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, 108) }
```

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

```
.background{ background-color: rgb(189,  
109, 108) }
```

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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