

Converting Colors

$Y_{xy}(22.6945, 0.4217, 0.3811)$

Have a look what the booklet for
Yxy(22.6945, 0.4217, 0.3811)
contains.

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Color

Yxy(22.7467, 0.4223, 0.3819)

Conversions

Conversions Part 1

Format	Color
Hex	AB7855
RGB	171, 120, 85
RGB Percent	67%, 47%, 33%
CMY	0.3294, 0.5294, 0.6666
CMYK	0.00, 0.30, 0.50, 0.33
HSL	24°, 34%, 50%
HSV	24°, 50%, 67%
XYZ	25.1530, 22.7467, 11.6622
YIQ	131.2590, 41.6310, -0.0730

Conversions

Conversions Part 2

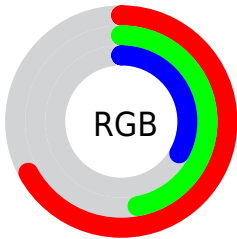
Format	Color
R_{YB}	171, 144, 85
Decimal	11237461
CIE _{Lab}	54.81, 15.79, 27.11
CIE _{LCh}	55, 31.372, 59.772
Yxy	22.7467, 0.4223, 0.3819
Android (android.graphics.Color)	4289427541 (0xFFAB7855)
YUV	131.2590, -22.8057, 34.8529
Hunter-Lab	47.6935, 10.6752, 18.8876

Details

The Yxy color **22.7467, 0.4223, 0.3819** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **22.4891, 0.2364, 0.2670**, and the grayscale version is **22.8675, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.7483, 0.3984, 0.3721**, and **8.3660, 0.4632, 0.3945** is the 20% darker color. If you saturate the color by 10%, you get **20.1958, 0.4524, 0.3905**, and if you desaturate by 10%, it is **25.6240, 0.3946, 0.3717**.

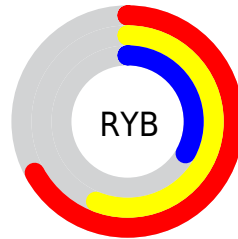
Distribution



Red (67%)

Green (47%)

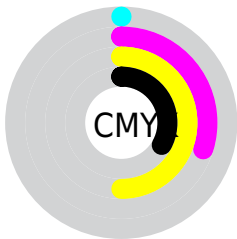
Blue (33%)



Red (67%)

Yellow (56%)

Blue (33%)

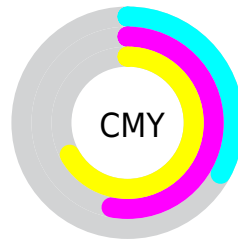


Cyan (0%)

Magenta (30%)

Yellow (50%)

Black (33%)



Cyan (33%)

Magenta (53%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.7467, 0.4223, 0.3819 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 22.7467, 0.4223, 0.3819 by changing the saturation by 10% instead.


 22.7467, 0.4223,
0.3819


 22.7467, 0.4223,
0.3819


266.4213, 0.3610,
0.3550


 14.4066, 0.4397,
0.3881


 47.9771, 0.3985,
0.3723


 8.4040, 0.4630,
0.3953


 65.6361, 0.3900,
0.3686


 4.3545, 0.4954,
0.4027

 87.1703, 0.3830,
0.3655

 1.8738, 0.5711,
0.4289

 112.9639, 0.3772,
0.3628

 0.5325, 0.6264,
0.3736

 143.4014, 0.3722,
0.3605

 0.0000, 0.0000,
0.0000

178.8673, 0.3680,

0.3584

219.7457, 0.3643,
0.3566

■ 22.7467, 0.4223,
0.3819

■ 22.7467, 0.4223,
0.3819

■ 20.1958, 0.4524,
0.3905

■ 25.6240, 0.3946,
0.3717

■ 17.9552, 0.4839,
0.3964

■ 28.8365, 0.3698,
0.3608

■ 16.0121, 0.5149,
0.3983

■ 32.3965, 0.3481,
0.3499

■ 14.3512, 0.5430,
0.3952

■ 36.3148, 0.3293,
0.3393

■ 12.9854, 0.5668,
0.3882

■ 40.6016, 0.3131,
0.3293

■ 45.2666, 0.2992,
0.3200

■ 50.3193, 0.2873,
0.3114

■ 55.7687, 0.2770,
0.3036

■ 61.6237, 0.2681,
0.2964

Harmonies

Analogous

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



22.7467, 0.4162, 0.3388



22.7467, 0.4223, 0.3819



22.7467, 0.3968, 0.4170

Triad

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



22.7467, 0.4223, 0.3819



22.7467, 0.2477, 0.3608



22.7467, 0.2695, 0.2442

Complementary

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



22.7467, 0.4223, 0.3819



22.4891, 0.2364, 0.2670

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.



22.7467, 0.2309, 0.2432



22.7467, 0.4223, 0.3819



22.7467, 0.2190, 0.3050

Square

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



22.7467, 0.4223, 0.3819



22.7467, 0.2950, 0.4102



22.7467, 0.2134, 0.2633



22.7467, 0.3233, 0.2635

Rectangle

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



22.7467, 0.4223, 0.3819



22.7467, 0.3670, 0.4293



22.7467, 0.2134, 0.2633



22.7467, 0.2545, 0.2417

Sweetspot

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



22.7478, 0.4223, 0.3819



61.4540, 0.3384, 0.3445



16.9537, 0.3662, 0.2531



13.3872, 0.3423, 0.3467



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.7478, 0.4223, 0.3819



35.8343, 0.4549, 0.3911



35.3011, 0.3905, 0.4386



8.5303, 0.3277, 0.3383



9.8859, 0.5651, 0.3895



0.3842, 0.5107, 0.4327

Inverse Universe

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



22.4891, 0.2364, 0.2670



35.2720, 0.2219, 0.2508



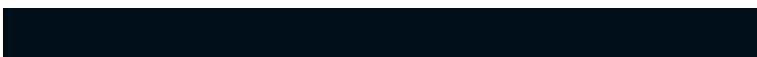
12.8099, 0.2213, 0.1881



8.5172, 0.2986, 0.3196



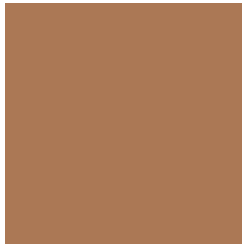
9.4026, 0.1867, 0.1922



0.3655, 0.1995, 0.2383

Previews

White Background



This preview shows how the Yxy color 22.7467, 0.4223, 0.3819 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 22.7467, 0.4223, 0.3819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

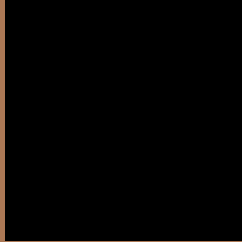
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.7467, 0.4223, 0.3819

Background



This preview shows how black text looks on a background with the Yxy color 22.7467, 0.4223, 0.3819.



This preview shows how white text looks on a background with the Yxy color 22.7467, 0.4223, 0.3819.

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

22.7467, 0.4223, 0.3819

Protanopia

22.7216, 0.3719, 0.4001

Deuteranopia

22.9327, 0.4036, 0.3962



Tritanopia

22.7154, 0.3783, 0.3157

Trichromacy



Original Color

22.7467, 0.4223, 0.3819

Protanomaly

22.6556, 0.3907, 0.3936

Deuteranomaly

22.8419, 0.4102, 0.3919

Tritanomaly

22.7326, 0.3948, 0.3399

Monochromacy



Original Color

22.7467, 0.4223, 0.3819

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

22.5046, 0.3509, 0.3513

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.7467, 0.4223, 0.3819 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(171, 120, 85)` looks like.

```
.text, #text, p{  
    color:rgb(171, 120, 85)  
}
```

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(171, 120, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 120, 85) }
```

Border

The CSS property to change the border of an element to Yxy 22.7467, 0.4223, 0.3819 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(171, 120, 85) }
```

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

```
.border{ border-color:rgb(171, 120, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 120, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 120, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 120, 85);  
box-shadow:4px 4px 4px 4px rgb(171, 120,  
85) }
```


Background

The CSS property to change the background color of an element to Yxy 22.7467, 0.4223, 0.3819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 120, 85) }
```

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

```
.background{ background-color: rgb(171,  
120, 85) }
```

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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