

Converting Colors

$Y_{xy}(24.4998, 0.4201, 0.3979)$

Have a look what the booklet for
Yxy(24.4998, 0.4201, 0.3979)
contains.

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Color

Yxy(24.4308, 0.4211, 0.3977)

Conversions

Conversions Part 1

Format	Color
Hex	AB7F51
RGB	171, 127, 81
RGB Percent	67%, 50%, 32%
CMY	0.3294, 0.5019, 0.6825
CMYK	0.00, 0.26, 0.53, 0.33
HSL	31°, 36%, 49%
HSV	31°, 53%, 67%
XYZ	25.8683, 24.4308, 11.1312
YIQ	134.9120, 40.9900, -4.9780

Conversions

Conversions Part 2

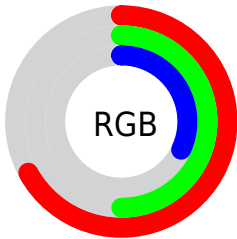
Format	Color
R_{YB}	167, 171, 81
Decimal	11239249
CIE _{Lab}	56.52, 11.45, 31.51
CIE _{LCh}	57, 33.529, 70.024
Yxy	24.4308, 0.4211, 0.3977
Android (android.graphics.Color)	4289429329 (0xFFAB7F51)
YUV	134.9120, -26.5786, 31.6492
Hunter-Lab	49.4275, 6.9212, 21.2471

Details

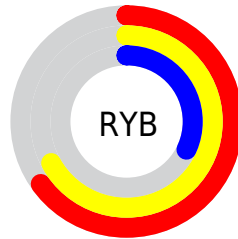
The Yxy color **24.4308, 0.4211, 0.3977** is a dark color, and the websafe version is hex **CC9966**. A complement of this color would be **19.3469, 0.2295, 0.2457**, and the grayscale version is **24.2831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.7752, 0.3980, 0.3855**, and **9.2773, 0.4590, 0.4168** is the 20% darker color. If you saturate the color by 10%, you get **22.1372, 0.4475, 0.4082**, and if you desaturate by 10%, it is **26.9704, 0.3959, 0.3853**.

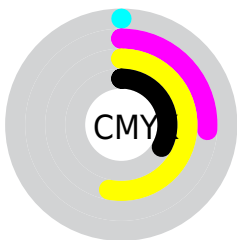
Distribution



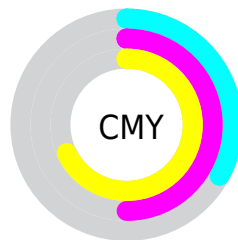
- Red (67%)
- Green (50%)
- Blue (32%)



- Red (65%)
- Yellow (67%)
- Blue (32%)



- Cyan (0%)
- Magenta (26%)
- Yellow (53%)
- Black (33%)





- Cyan (33%)
- Magenta (50%)
- Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.4308, 0.4211, 0.3977 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 24.4308, 0.4211, 0.3977 by changing the saturation by 10% instead.


 24.4308, 0.4211,
0.3977


 24.4308, 0.4211,
0.3977


274.9913, 0.3617,
0.3624


 15.6535, 0.4373,
0.4061


 50.7323, 0.3984,
0.3850

 9.2793, 0.4585,
0.4160


 69.0253, 0.3902,
0.3802

 4.9238, 0.4868,
0.4270

 91.2589, 0.3834,
0.3761

 2.2026, 0.5461,
0.4539

 117.8177, 0.3776,
0.3725

 0.7214, 0.5738,
0.4262

 149.0859, 0.3727,
0.3695

 0.0000, 0.0000,
0.0000

185.4480, 0.3685,

0.3668

227.2883, 0.3649,
0.3645

■ 24.4308, 0.4211,
0.3977

■ 24.4308, 0.4211,
0.3977

■ 22.1372, 0.4475,
0.4082

■ 26.9704, 0.3959,
0.3853

■ 20.0768, 0.4741,
0.4155

■ 29.7611, 0.3727,
0.3719

■ 18.2405, 0.4994,
0.4185

■ 32.8121, 0.3518,
0.3582

■ 16.6171, 0.5218,
0.4162

■ 36.1311, 0.3331,
0.3449

■ 15.5454, 0.5366,
0.4122

■ 39.7252, 0.3167,
0.3322

■ 43.6016, 0.3023,
0.3203

■ 47.7668, 0.2898,
0.3093

■ 52.2272, 0.2788,
0.2991

■ 56.9891, 0.2692,
0.2898

Harmonies

Analogous

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



24.4308, 0.4269, 0.3544



24.4308, 0.4211, 0.3977



24.4308, 0.3851, 0.4288

Triad

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



24.4308, 0.4211, 0.3977



24.4308, 0.2322, 0.3415



24.4308, 0.2854, 0.2458

Complementary

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



24.4308, 0.4211, 0.3977



19.3469, 0.2295, 0.2457

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.



24.4308, 0.2390, 0.2379



24.4308, 0.4211, 0.3977



24.4308, 0.2106, 0.2865

Square

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



24.4308, 0.4211, 0.3977



24.4308, 0.2756, 0.3989



24.4308, 0.2131, 0.2508



24.4308, 0.3441, 0.2714

Rectangle

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



24.4308, 0.4211, 0.3977



24.4308, 0.3505, 0.4351



24.4308, 0.2131, 0.2508



24.4308, 0.2680, 0.2410

Sweetspot

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



24.4320, 0.4211, 0.3977



62.4921, 0.3396, 0.3497



16.0447, 0.3844, 0.2624



13.6713, 0.3433, 0.3524



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.



24.4320, 0.4211, 0.3977



39.0799, 0.4515, 0.4095



38.3771, 0.3879, 0.4532



8.6670, 0.3274, 0.3406



11.8248, 0.5351, 0.4133



0.4381, 0.4914, 0.4481

Inverse Universe

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



19.3469, 0.2295, 0.2457



28.9986, 0.2128, 0.2235



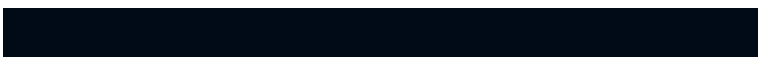
10.5692, 0.2135, 0.1649



8.3791, 0.2986, 0.3171



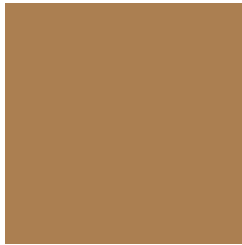
7.0502, 0.1769, 0.1567



0.3060, 0.1926, 0.2133

Previews

White Background



This preview shows how the Yxy color 24.4308, 0.4211, 0.3977 looks on a white background.

Color Contrast Check

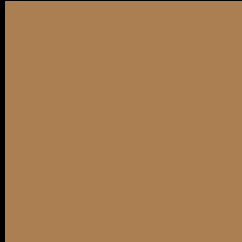
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4308, 0.4211, 0.3977 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 24.4308, 0.4211, 0.3977

Background



This preview shows how black text looks on a background with the Yxy color 24.4308, 0.4211, 0.3977.



This preview shows how white text looks on a background with the Yxy color 24.4308, 0.4211, 0.3977.

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

24.4308, 0.4211, 0.3977

Protanopia

24.5443, 0.3827, 0.4153

Deuteranopia

24.5438, 0.4123, 0.4057



Tritanopia

24.4004, 0.3694, 0.3158

Trichromacy



Original Color

24.4308, 0.4211, 0.3977

Protanomaly

24.4675, 0.3957, 0.4093

Deuteranomaly

24.4952, 0.4156, 0.4034

Tritanomaly

24.3344, 0.3902, 0.3458

Monochromacy



Original Color

24.4308, 0.4211, 0.3977

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

24.0362, 0.3505, 0.3576

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.4308, 0.4211, 0.3977 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, 127, 81)` looks like.

```
.text, #text, p{  
    color:rgb(171, 127, 81)  
}
```

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, 127, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 127, 81) }
```

Border

The CSS property to change the border of an element to Yxy 24.4308, 0.4211, 0.3977 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, 127, 81) }
```

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

```
.border{ border-color:rgb(171, 127, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 127, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 127, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 127, 81);  
box-shadow:4px 4px 4px 4px rgb(171, 127,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 24.4308, 0.4211, 0.3977 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 127, 81) }
```

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

```
.background{ background-color: rgb(171,  
127, 81) }
```

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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