

Converting Colors

$Y_{xy}(21.4217, 0.4384, 0.3885)$

Have a look what the booklet for
Yxy(21.4217, 0.4384, 0.3885)
contains.

Yxy(21.4274, 0.4388, 0.3886)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.4274, 0.4388, 0.3886)

Conversions

Conversions Part 1

Format	Color
Hex	AB734B
RGB	171, 115, 75
RGB Percent	67%, 45%, 29%
CMY	0.3294, 0.5490, 0.7059
CMYK	0.00, 0.33, 0.56, 0.33
HSL	25°, 39%, 48%
HSV	25°, 56%, 67%
XYZ	24.1954, 21.4274, 9.5172
YIQ	127.1840, 46.2160, -0.5680

Conversions

Conversions Part 2

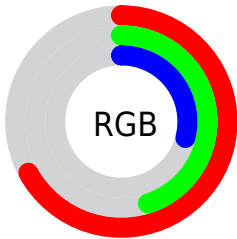
Format	Color
R_{YB}	171, 144, 75
Decimal	11236171
CIE Lab	53.41, 17.69, 30.92
CIE LCh	53, 35.621, 60.231
Yxy	21.4274, 0.4388, 0.3886
Android (android.graphics.Color)	4289426251 (0xFFAB734B)
YUV	127.1840, -25.7267, 38.4266
Hunter-Lab	46.2897, 12.2941, 20.2128

Details

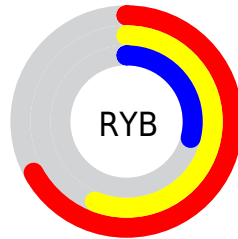
The Yxy color **21.4274, 0.4388, 0.3886** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **20.6679, 0.2279, 0.2565**, and the grayscale version is **21.3689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7761, 0.4111, 0.3776**, and **7.7479, 0.4840, 0.4032** is the 20% darker color. If you saturate the color by 10%, you get **19.0717, 0.4695, 0.3960**, and if you desaturate by 10%, it is **24.0943, 0.4099, 0.3790**.

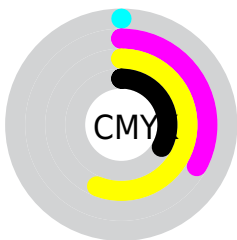
Distribution



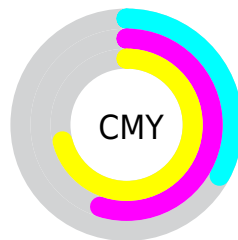
- Red (67%)
- Green (45%)
- Blue (29%)



- Red (67%)
- Yellow (56%)
- Blue (29%)



- Cyan (0%)
- Magenta (33%)
- Yellow (56%)
- Black (33%)



- Cyan (33%)
- Magenta (55%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.4274, 0.4388, 0.3886 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 21.4274, 0.4388, 0.3886 by changing the saturation by 10% instead.


 21.4274, 0.4388,
0.3886


 21.4274, 0.4388,
0.3886


259.5412, 0.3681,
0.3588


 13.4368, 0.4587,
0.3950


 45.7978, 0.4113,
0.3783


 7.7300, 0.4851,
0.4018


 62.9463, 0.4015,
0.3742


 3.9227, 0.5227,
0.4085

 83.9163, 0.3934,
0.3707

 1.6304, 0.5844,
0.4156

 109.0920, 0.3867,
0.3676

 0.3780, 0.6767,
0.3233

 138.8580, 0.3810,
0.3650

 0.0000, 0.0000,
0.0000

173.5986, 0.3761,

0.3627

213.6982, 0.3718,
0.3606

■ 21.4274, 0.4388,
0.3886

■ 21.4274, 0.4388,
0.3886

■ 19.0717, 0.4695,
0.3960

■ 24.0943, 0.4099,
0.3790

■ 17.0112, 0.5004,
0.3999

■ 27.0813, 0.3836,
0.3681

■ 15.2325, 0.5296,
0.3991

■ 30.4007, 0.3603,
0.3569

■ 13.7191, 0.5547,
0.3932

■ 34.0633, 0.3400,
0.3458

■ 13.1972, 0.5640,
0.3904

■ 38.0792, 0.3223,
0.3352

■ 42.4581, 0.3071,
0.3252

■ 47.2092, 0.2940,
0.3160

■ 52.3417, 0.2828,
0.3076

■ 57.8639, 0.2730,
0.2998

Harmonies

Analogous

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



21.4274, 0.4331, 0.3397



21.4274, 0.4388, 0.3886



21.4274, 0.4080, 0.4299

Triad

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



21.4274, 0.4388, 0.3886



21.4274, 0.2369, 0.3646



21.4274, 0.2635, 0.2328

Complementary

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



21.4274, 0.4388, 0.3886



20.6679, 0.2279, 0.2565

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.



21.4274, 0.2198, 0.2309



21.4274, 0.4388, 0.3886



21.4274, 0.2054, 0.2993

Square

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



21.4274, 0.4388, 0.3886



21.4274, 0.2904, 0.4239



21.4274, 0.1999, 0.2524



21.4274, 0.3254, 0.2549

Rectangle

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



21.4274, 0.4388, 0.3886



21.4274, 0.3731, 0.4453



21.4274, 0.1999, 0.2524



21.4274, 0.2465, 0.2298

Sweetspot

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



21.4285, 0.4388, 0.3886



60.2120, 0.3422, 0.3471



15.3289, 0.3779, 0.2475



13.1367, 0.3460, 0.3492



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.



21.4285, 0.4388, 0.3886



33.3595, 0.4758, 0.3971



35.3605, 0.3977, 0.4512



8.5432, 0.3276, 0.3385



10.0480, 0.5623, 0.3918



0.3892, 0.5088, 0.4342

Inverse Universe

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



20.6679, 0.2279, 0.2565



31.8013, 0.2127, 0.2375



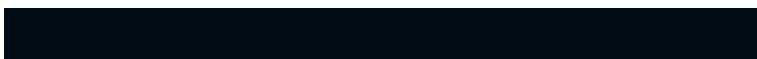
10.6228, 0.2090, 0.1664



8.5041, 0.2986, 0.3193



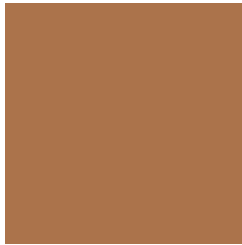
9.1561, 0.1858, 0.1888



0.3595, 0.1989, 0.2359

Previews

White Background



This preview shows how the Yxy color 21.4274, 0.4388, 0.3886 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 21.4274, 0.4388, 0.3886 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

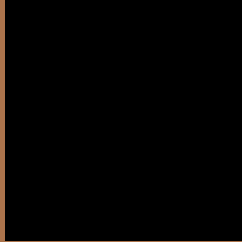
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.4274, 0.4388, 0.3886

Background



This preview shows how black text looks on a background with the Yxy color 21.4274, 0.4388, 0.3886.



This preview shows how white text looks on a background with the Yxy color 21.4274, 0.4388, 0.3886.

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

21.4274, 0.4388, 0.3886

Protanopia

21.5930, 0.3822, 0.4130

Deuteranopia

21.4680, 0.4156, 0.4079



Tritanopia

21.4585, 0.3888, 0.3172

Trichromacy



Original Color

21.4274, 0.4388, 0.3886

Protanomaly

21.2953, 0.4025, 0.4040

Deuteranomaly

21.2651, 0.4236, 0.3998

Tritanomaly

21.4319, 0.4086, 0.3444

Monochromacy



Original Color

21.4274, 0.4388, 0.3886

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.0883, 0.3558, 0.3553

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.4274, 0.4388, 0.3886 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, 115, 75)` looks like.

```
.text, #text, p{  
    color:rgb(171, 115, 75)  
}
```

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, 115, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 115, 75) }
```

Border

The CSS property to change the border of an element to Yxy 21.4274, 0.4388, 0.3886 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, 115, 75) }
```

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

```
.border{ border-color:rgb(171, 115, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 115, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 115, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 115, 75);  
box-shadow:4px 4px 4px 4px rgb(171, 115,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 21.4274, 0.4388, 0.3886 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 115, 75) }
```

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

```
.background{ background-color: rgb(171,  
115, 75) }
```

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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