

Converting Colors

$Y_{xy}(21.9803, 0.3842, 0.4281)$

Have a look what the booklet for
Yxy(21.9803, 0.3842, 0.4281)
contains.

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Color

Yxy(22.1303, 0.3839, 0.4283)

Conversions

Conversions Part 1

Format	Color
Hex	8A834A
RGB	138, 131, 74
RGB Percent	54%, 51%, 29%
CMY	0.4587, 0.4863, 0.7098
CMYK	0.00, 0.05, 0.46, 0.46
HSL	53°, 30%, 42%
HSV	53°, 46%, 54%
XYZ	19.8361, 22.1303, 9.7036
YIQ	126.5950, 22.4690, -16.2430

Conversions

Conversions Part 2

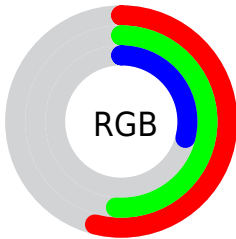
Format	Color
RYB	82, 138, 74
Decimal	9077578
CIELab	54.16, -5.85, 31.64
CIELCh	54, 32.176, 100.483
Yxy	22.1303, 0.3839, 0.4283
Android (android.graphics.Color)	4287267658 (0xFF8A834A)
YUV	126.5950, -25.9293, 10.0022
Hunter-Lab	47.0429, -7.0585, 20.7001

Details

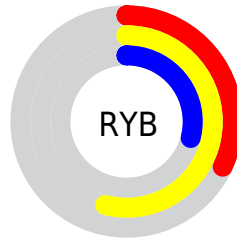
The Yxy color **22.1303, 0.3839, 0.4283** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **9.1793, 0.2311, 0.2048**, and the grayscale version is **21.1633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.0737, 0.3695, 0.4067**, and **8.0922, 0.4060, 0.4658** is the 20% darker color. If you saturate the color by 10%, you get **21.5614, 0.3985, 0.4470**, and if you desaturate by 10%, it is **22.7480, 0.3684, 0.4077**.

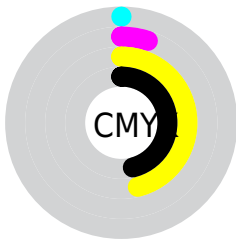
Distribution



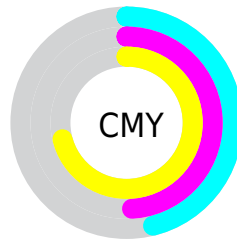
- Red (54%)
- Green (51%)
- Blue (29%)



- Red (32%)
- Yellow (54%)
- Blue (29%)



- Cyan (0%)
- Magenta (5%)
- Yellow (46%)
- Black (46%)





- Cyan (46%)
- Magenta (49%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.1303, 0.3839, 0.4283 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 22.1303, 0.3839, 0.4283 by changing the saturation by 10% instead.


 22.1303, 0.3839,
0.4283


 22.1303, 0.3839,
0.4283


263.2260, 0.3454,
0.3728

 13.9527, 0.3939,
0.4438


 46.9613, 0.3694,
0.4068

 8.0878, 0.4066,
0.4645


 64.3834, 0.3641,
0.3991

 4.1512, 0.4231,
0.4936

 85.6558, 0.3597,
0.3928

 1.7585, 0.4529,
0.5471

 111.1629, 0.3559,
0.3875

 0.4611, 0.3904,
0.6096

 141.2891, 0.3527,
0.3830

 0.0000, 0.0000,
0.0000

176.4187, 0.3499,

0.3791

216.9362, 0.3475,
0.3757

■ 22.1303, 0.3839,
0.4283

■ 22.1303, 0.3839,
0.4283

■ 21.5614, 0.3985,
0.4470

■ 22.7480, 0.3684,
0.4077

■ 21.0356, 0.4116,
0.4630

■ 23.4139, 0.3526,
0.3860

■ 20.5507, 0.4226,
0.4753

■ 24.1313, 0.3370,
0.3640

■ 20.1033, 0.4312,
0.4836

■ 24.9025, 0.3219,
0.3424

■ 19.6877, 0.4374,
0.4879

■ 25.7292, 0.3077,
0.3216

■ 19.5408, 0.4395,
0.4893

■ 26.6135, 0.2944,
0.3019

■ 27.5572, 0.2821,
0.2836

■ 28.5619, 0.2709,
0.2666

■ 29.6292, 0.2607,
0.2510

Harmonies

Analogous

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



22.1303, 0.4199, 0.3978



22.1303, 0.3839, 0.4283



22.1303, 0.3306, 0.4311

Triad

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



22.1303, 0.3839, 0.4283



22.1303, 0.2112, 0.2862



22.1303, 0.3448, 0.2724

Complementary

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



22.1303, 0.3839, 0.4283



9.1793, 0.2311, 0.2048

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.



22.1303, 0.2865, 0.2467



22.1303, 0.3839, 0.4283



22.1303, 0.2141, 0.2511

Square

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



22.1303, 0.3839, 0.4283



22.1303, 0.2323, 0.3405



22.1303, 0.2401, 0.2385



22.1303, 0.3979, 0.3106

Rectangle

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



22.1303, 0.3839, 0.4283



22.1303, 0.2929, 0.4124



22.1303, 0.2401, 0.2385



22.1303, 0.3249, 0.2621

Sweetspot

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



22.1313, 0.3839, 0.4283



42.7969, 0.3338, 0.3594



10.9033, 0.4177, 0.3155



9.5432, 0.3367, 0.3636



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



22.1313, 0.3839, 0.4283



37.9149, 0.3996, 0.4484



22.2202, 0.3490, 0.4509



5.7528, 0.3260, 0.3483



17.9229, 0.4394, 0.4893



0.1315, 0.4285, 0.4980

Inverse Universe

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



9.1793, 0.2311, 0.2048



12.1066, 0.2099, 0.1707



9.3594, 0.2597, 0.2004



4.9749, 0.2991, 0.3089



2.0115, 0.1529, 0.0704



0.0233, 0.1647, 0.1129

Previews

White Background



This preview shows how the Yxy color 22.1303, 0.3839, 0.4283 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 22.1303, 0.3839, 0.4283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

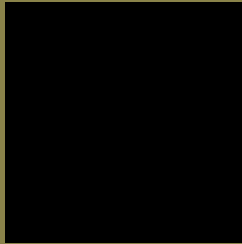
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 22.1303, 0.3839, 0.4283

Background



This preview shows how black text looks on a background with the Yxy color 22.1303, 0.3839, 0.4283.



This preview shows how white text looks on a background with the Yxy color 22.1303, 0.3839, 0.4283.

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

22.1303, 0.3839, 0.4283

Protanopia

22.1971, 0.3908, 0.4264

Deuteranopia

22.1052, 0.4117, 0.4060



Tritanopia

22.0658, 0.3256, 0.3122

Trichromacy



Original Color

22.1303, 0.3839, 0.4283

Protanomaly

22.1090, 0.3895, 0.4269

Deuteranomaly

22.1708, 0.4013, 0.4151

Tritanomaly

22.0994, 0.3483, 0.3552

Monochromacy



Original Color

22.1303, 0.3839, 0.4283

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.3463, 0.3388, 0.3655

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.1303, 0.3839, 0.4283 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(138, 131, 74)` looks like.

```
.text, #text, p{  
    color:rgb(138, 131, 74)  
}
```

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(138, 131, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 131, 74) }
```

Border

The CSS property to change the border of an element to Yxy 22.1303, 0.3839, 0.4283 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(138, 131, 74) }
```

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

```
.border{ border-color:rgb(138, 131, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 131, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 131, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 131, 74);  
box-shadow:4px 4px 4px 4px rgb(138, 131,  
74) }
```


Background

The CSS property to change the background color of an element to Yxy 22.1303, 0.3839, 0.4283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 131, 74) }
```

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

```
.background{ background-color: rgb(138,  
131, 74) }
```

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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