

Converting Colors

$Y_{xy}(22.0149, 0.3800, 0.3665)$

Have a look what the booklet for
Yxy(22.0149, 0.3800, 0.3665)
contains.

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Color

Yxy(21.9560, 0.3800, 0.3674)

Conversions

Conversions Part 1

Format	Color
Hex	9A7B64
RGB	154, 123, 100
RGB Percent	60%, 48%, 39%
CMY	0.3961, 0.5176, 0.6079
CMYK	0.00, 0.20, 0.35, 0.40
HSL	26°, 21%, 50%
HSV	26°, 35%, 60%
XYZ	22.7090, 21.9560, 15.0955
YIQ	129.6470, 25.8590, -0.5810

Conversions

Conversions Part 2

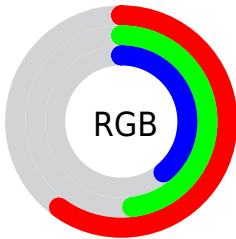
Format	Color
RYB	154, 140, 100
Decimal	10124132
CIELab	53.98, 8.62, 17.14
CIElCh	54, 19.188, 63.309
Yxy	21.9560, 0.3800, 0.3674
Android (android.graphics.Color)	4288314212 (0xFF9A7B64)
YUV	129.6470, -14.6160, 21.3576
Hunter-Lab	46.8572, 4.5084, 13.6992

Details

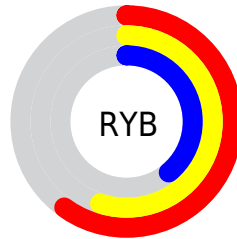
The Yxy color **21.9560, 0.3800, 0.3674** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **21.2706, 0.2590, 0.2869**, and the grayscale version is **22.2380, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.4496, 0.3648, 0.3589**, and **7.9794, 0.4080, 0.3798** is the 20% darker color. If you saturate the color by 10%, you get **19.5917, 0.4054, 0.3785**, and if you desaturate by 10%, it is **24.5767, 0.3574, 0.3560**.

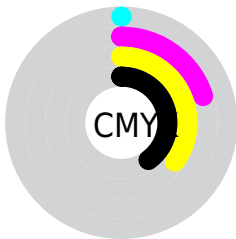
Distribution



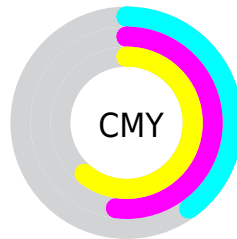
- Red (60%)
- Green (48%)
- Blue (39%)



- Red (60%)
- Yellow (55%)
- Blue (39%)



- Cyan (0%)
- Magenta (20%)
- Yellow (35%)
- Black (40%)





- Cyan (40%)
- Magenta (52%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9560, 0.3800, 0.3674 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 21.9560, 0.3800, 0.3674 by changing the saturation by 10% instead.


 21.9560, 0.3800,
0.3674


 21.9560, 0.3800,
0.3674


262.3164, 0.3420,
0.3467


 13.8246, 0.3912,
0.3730


 46.6733, 0.3650,
0.3595


 7.9988, 0.4067,
0.3804


 64.0279, 0.3597,
0.3567

 4.0942, 0.4295,
0.3903


 85.2257, 0.3554,
0.3543

 1.7264, 0.4737,
0.4106

 110.6511, 0.3518,
0.3523

 0.4406, 0.5881,
0.4119

140.6885, 0.3488,
0.3506

 0.0000, 0.0000,
0.0000

175.7222, 0.3462,

0.3491

216.1367, 0.3440,
0.3478

■ 21.9560, 0.3800,
0.3674

■ 21.9560, 0.3800,
0.3674

■ 19.5917, 0.4054,
0.3785

■ 24.5767, 0.3574,
0.3560

■ 17.4724, 0.4334,
0.3885

■ 27.4586, 0.3377,
0.3448

■ 15.5901, 0.4633,
0.3965

■ 30.6104, 0.3205,
0.3342

■ 13.9352, 0.4936,
0.4012

■ 34.0393, 0.3057,
0.3242

■ 12.4973, 0.5225,
0.4015

■ 37.7522, 0.2929,
0.3149

■ 11.2642, 0.5479,
0.3967

■ 41.7559, 0.2818,
0.3063

■ 10.7222, 0.5599,
0.3936

■ 46.0567, 0.2723,
0.2985

■ 50.6609, 0.2640,
0.2914

■ 55.5745, 0.2568,
0.2849

Harmonies

Analogous

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



21.9560, 0.3779, 0.3404



21.9560, 0.3800, 0.3674



21.9560, 0.3632, 0.3864

Triad

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



21.9560, 0.3800, 0.3674



21.9560, 0.2692, 0.3449



21.9560, 0.2897, 0.2750

Complementary

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



21.9560, 0.3800, 0.3674



21.2706, 0.2590, 0.2869

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.



21.9560, 0.2629, 0.2736



21.9560, 0.3800, 0.3674



21.9560, 0.2516, 0.3119

Square

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



21.9560, 0.3800, 0.3674



21.9560, 0.2988, 0.3746



21.9560, 0.2494, 0.2863



21.9560, 0.3241, 0.2889

Rectangle

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



21.9560, 0.3800, 0.3674



21.9560, 0.3441, 0.3908



21.9560, 0.2494, 0.2863



21.9560, 0.2796, 0.2730

Sweetspot

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



21.9570, 0.3800, 0.3674



52.0269, 0.3308, 0.3407



17.6349, 0.3464, 0.2775



11.6167, 0.3330, 0.3420



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



21.9570, 0.3800, 0.3674



36.5085, 0.3995, 0.3761



29.4424, 0.3662, 0.4076



6.6338, 0.3273, 0.3385



8.8042, 0.5586, 0.3947



0.2016, 0.4916, 0.4479

Inverse Universe

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



21.2706, 0.2590, 0.2869



35.0627, 0.2473, 0.2758



15.0421, 0.2523, 0.2359



6.5852, 0.2989, 0.3193



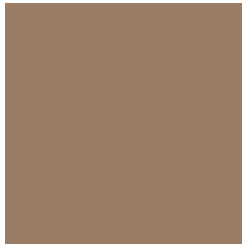
7.7097, 0.1851, 0.1864



0.1873, 0.2038, 0.2536

Previews

White Background



This preview shows how the Yxy color 21.9560, 0.3800, 0.3674 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 21.9560, 0.3800, 0.3674 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

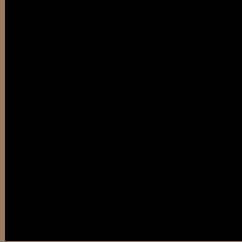
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9560, 0.3800, 0.3674

Background



This preview shows how black text looks on a background with the Yxy color 21.9560, 0.3800, 0.3674.



This preview shows how white text looks on a background with the Yxy color 21.9560, 0.3800, 0.3674.

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

21.9560, 0.3800, 0.3674

Protanopia

21.9982, 0.3518, 0.3754

Deuteranopia

22.0108, 0.3769, 0.3694



Tritanopia

21.9203, 0.3501, 0.3146

Trichromacy



Original Color

21.9560, 0.3800, 0.3674

Protanomaly

21.9777, 0.3614, 0.3726

Deuteranomaly

22.1077, 0.3782, 0.3692

Tritanomaly

21.8089, 0.3612, 0.3324

Monochromacy



Original Color

21.9560, 0.3800, 0.3674

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.9996, 0.3363, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9560, 0.3800, 0.3674 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(154, 123, 100)` looks like.

```
.text, #text, p{  
    color:rgb(154, 123, 100)  
}
```

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(154, 123, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 123, 100) }
```

Border

The CSS property to change the border of an element to Yxy 21.9560, 0.3800, 0.3674 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(154, 123, 100) }
```

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

```
.border{ border-color:rgb(154, 123, 100) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 123, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 123, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 123, 100);  
box-shadow:4px 4px 4px 4px rgb(154, 123,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9560, 0.3800, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 123, 100) }
```

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

```
.background{ background-color: rgb(154,  
123, 100) }
```

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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